10636001Amend

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTANAG1626

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4	APR 04	STN AnaVist $500 visualization usage credit offered
NEWS	5	MAY 10	CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS	6	MAY 11	KOREAPAT updates resume
NEWS	7	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	8	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS	9	MAY 30	The F-Term thesaurus is now available in CA/CAplus
NEWS	10	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	11	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	12	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	13	JUl 11	CHEMSAFE reloaded and enhanced
NEWS	14	JUl 14	FSTA enhanced with Japanese patents
NEWS	15	JUl 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	16	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	17	AUG 28	ADISCTI Reloaded and Enhanced

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 08:32:17 ON 30 AUG 2006

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=> fil reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 08:32:28 ON 30 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 AUG 2006 HIGHEST RN 905300-98-3
DICTIONARY FILE UPDATES: 29 AUG 2006 HIGHEST RN 905300-98-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

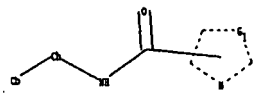
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

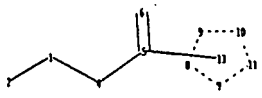
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10636001.str





chain nodes :
1 2 4 5 6
ring nodes :
7 8 9 10 11
chain bonds :
1-2 1-4 4-5 5-6
ring bonds :
7-8 7-11 8-9 9-10 10-11
exact/norm bonds :
1-2 1-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11

G1:C,O,S

Match level :
1:Atom 2:Atom 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
13:CLASS
Generic attributes :
1:
Saturation : Saturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic
2:
Saturation : Unsaturated

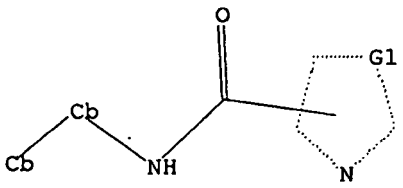
Element Count :
Node 1: Limited

10636001Amend

C,C3-7

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 C,O,S

Structure attributes must be viewed using STN Express query preparation.

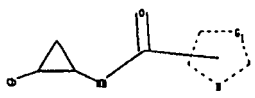
=> s l1
SAMPLE SEARCH INITIATED 08:32:48 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 184594 TO ITERATE

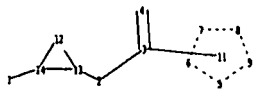
1.1% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 3666647 TO 3717113
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=>
Uploading C:\Program Files\Stnexp\Queries\10636001amends2.str





chain nodes :
1 2 3 4
ring nodes :
5 6 7 8 9 12 13 14
chain bonds :
1-14 2-3 2-13 3-4
ring bonds :
5-6 5-9 6-7 7-8 8-9 12-13 12-14 13-14
exact/norm bonds :
1-14 2-3 2-13 3-4 5-6 5-9 6-7 7-8 8-9 12-13 12-14 13-14

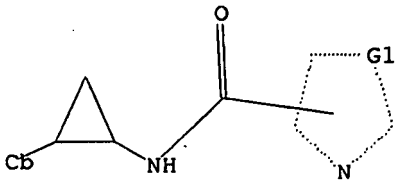
G1:C,O,S

Match level :
1:Atom 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 11:CLASS
12:Atom 13:Atom 14:Atom
Generic attributes :
1:
Saturation : Unsaturated

L3 STRUCTURE UPLOADED

10636001Amend

=> d l3
L3 HAS NO ANSWERS
L3 STR



G1 C,O,S

Structure attributes must be viewed using STN Express query preparation.

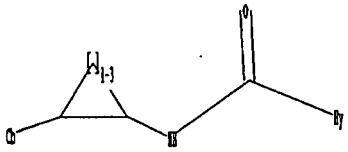
=> s l3
SAMPLE SEARCH INITIATED 08:34:30 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 63561 TO ITERATE

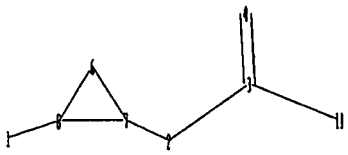
3.1% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1256203 TO 1286237
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=>
Uploading C:\Program Files\Stnexp\Queries\10636001amends3.str





chain nodes :
1 2 3 4 11
ring nodes :
6 7 8
chain bonds :
1-8 2-3 2-7 3-4 3-11
ring bonds :
6-7 6-8 7-8
exact/norm bonds :
2-3 2-7 3-4 3-11 6-7 6-8 7-8
exact bonds :
1-8

G1:C,O,S

Match level :

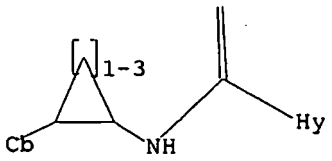
10636001Amend

1:Atom 2:CLASS 3:CLASS 4:CLASS 6:Atom 7:Atom 8:Atom 11:Atom
Generic attributes :
1:
Saturation : Unsaturated
11:
Saturation : Unsaturated
Type of Ring System : Monocyclic

Element Count :
Node 11: Limited
C,C3-4
O,O0-1
S,S0-1
N,N1

L5 STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5 STR



G1 C,O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l5
SAMPLE SEARCH INITIATED 08:39:29 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 173418 TO ITERATE

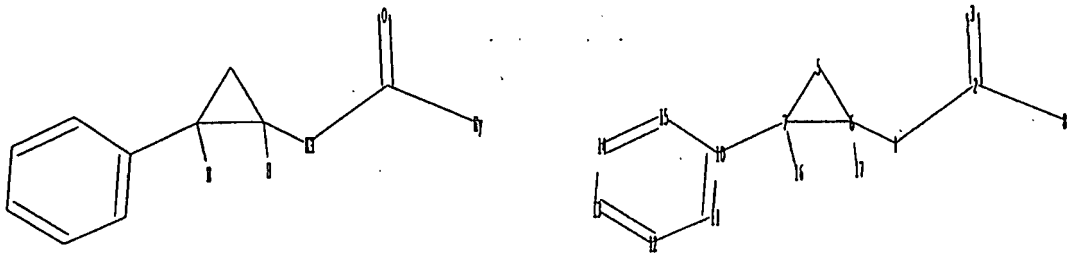
1.2% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 3443871 TO 3492849
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=>
Uploading C:\Program Files\Stnexp\Queries\10636001amends5.str

10636001Amend



chain nodes :
1 2 3 8 16 17
ring nodes :
5 6 7 10 11 12 13 14 15
chain bonds :
1-2 1-6 2-3 2-8 6-17 7-10 7-16
ring bonds :
5-6 5-7 6-7 10-11 10-15 11-12 12-13 13-14 14-15
exact/norm bonds :
1-2 1-6 2-3 2-8 5-6 5-7 6-7
exact bonds :
6-17 7-10 7-16
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15

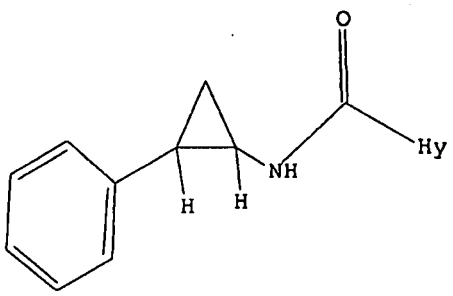
G1:C,O,S

Match level :
1:CLASS 2:CLASS 3:CLASS 5:Atom 6:Atom 7:Atom 8:Atom 10:CLASS 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS
Generic attributes :
8:
Saturation : Unsaturated
Type of Ring System : Monocyclic

Element Count :
Node 8: Limited
C,C3-4
O,O0-1
S,S0-1
N,N1

L7 STRUCTURE UPLOADED

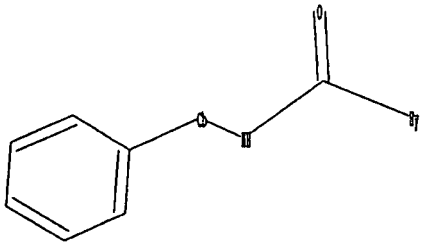
=> d 17
L7 HAS NO ANSWERS
L7 STR

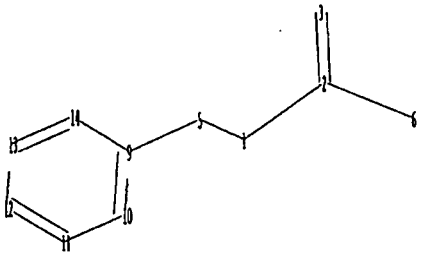


G1 C,O,S

Structure attributes must be viewed using STN Express query preparation.

```
=> s l7
SAMPLE SEARCH INITIATED 08:41:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      323 TO ITERATE

100.0% PROCESSED      323 ITERATIONS                          1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          5382 TO     7538
PROJECTED ANSWERS:                1 TO       80

L8             1 SEA SSS SAM L7

=> s l7 full
FULL SEARCH INITIATED 08:41:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     6318 TO ITERATE

100.0% PROCESSED     6318 ITERATIONS                         20 ANSWERS
SEARCH TIME: 00.00.01

L9            20 SEA SSS FUL L7

=>
Uploading C:\Program Files\Stnexp\Queries\10636001amends6.str
```





```
chain nodes :
1  2  3  5  6
ring nodes :
```

```
9  10  11  12  13  14
chain bonds :
1-2  1-5  2-3  2-6  5-9
ring bonds :
9-10  9-14  10-11  11-12  12-13  13-14
exact/norm bonds :
1-2  2-3  2-6
exact bonds :
1-5  5-9
normalized bonds :
9-10  9-14  10-11  11-12  12-13  13-14


G1:C,O,S

Match level :
1:CLASS  2:CLASS  3:CLASS  5:Atom  6:Atom  9:Atom  10:Atom  11:Atom  12:Atom
13:Atom  14:Atom
Generic attributes :
5:
Saturation              : Saturated
Number of Carbon Atoms  : less than 7
Type of Ring System     : Monocyclic
6:
Saturation              : Unsaturated
Type of Ring System     : Monocyclic

Element Count :
Node 5: Limited
    C,C3-6

Node 6: Limited
    C,C3-4
    O,O0-1
    S,S0-1
    N,N1



L10     STRUCTURE UPLOADED

=> d l10
L10 HAS NO ANSWERS
L10             STR
```

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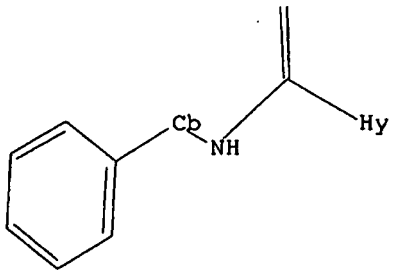


G1 C,O,S

Structure attributes must be viewed using STN Express query preparation.

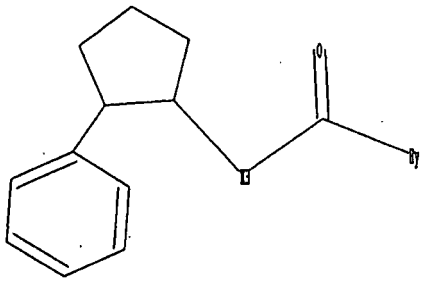
=> s l10
SAMPLE SEARCH INITIATED 08:44:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 388784 TO ITERATE

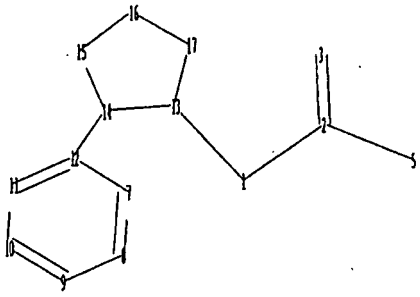
0.58 PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 7739957 TO 7811403
PROJECTED ANSWERS: 0 TO 0

L11 0 SEA SSS SAM L10

=>
Uploading C:\Program Files\Stnexp\Queries\10636001amends7.str





chain nodes :
1 2 3 5
ring nodes :
7 8 9 10 11 12 13 14 15 16 17
chain bonds :
1-2 1-13 2-3 2-5 12-14
ring bonds :
7-12 7-8 8-9 9-10 10-11 11-12 13-14 13-17 14-15 15-16 16-17
exact/norm bonds :

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1-2 1-13 2-3 2-5 13-14 13-17 14-15 15-16 16-17
exact bonds :
12-14
normalized bonds :
7-12 7-8 8-9 9-10 10-11 11-12

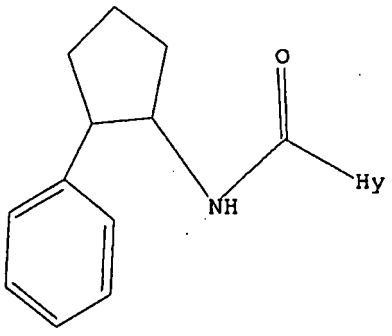
G1:C,O,S

Match level :
1:CLASS 2:CLASS 3:CLASS 5:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom
Generic attributes :
5:
Saturation : Unsaturated
Type of Ring System : Monocyclic

Element Count :
Node 5: Limited
C,C3-4
O,O0-1
S,S0-1
N,N1

L12 STRUCTURE UPLOADED

=> d l12
L12 HAS NO ANSWERS
L12 STR



G1 C,O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l12
SAMPLE SEARCH INITIATED 08:45:25 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2250 TO ITERATE

```
 88.9% PROCESSED     2000 ITERATIONS                                 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       42155 TO    47845
PROJECTED ANSWERS:              0 TO        0

L13           0 SEA SSS SAM L12

=> s l12 full
FULL SEARCH INITIATED 08:45:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    45573 TO ITERATE

100.0% PROCESSED    45573 ITERATIONS                                 0 ANSWERS
SEARCH TIME: 00.00.01

L14           0 SEA SSS FUL L12

=> fil caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   342.68     342.89

FILE 'CAPLUS' ENTERED AT 08:45:46 ON 30 AUG 2006
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strictly prohibited.

FILE COVERS 1907 - 30 Aug 2006  VOL 145 ISS 10
FILE LAST UPDATED: 29 Aug 2006  (20060829/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> d his'
L14 HAS NO ANSWERS
'HIS' ' IS NOT A VALID STRUCTURE FORMAT KEYWORD
Structure Formats
SIA ----- Structure Image, Attributes, and map table if it contains
          data.  (Default)
SIM ----- Structure IMage.
SAT ----- Structure ATtributes and map table if it contains data.
```

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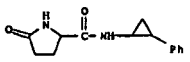
```
SCT ----- Structure Connection Table and map table if it contains
          data.
SDA ----- All Structure DAta (image, attributes, connection table and
          map table if it contains data).
NOS ----- NO Structure data.
ENTER STRUCTURE FORMAT (SIM), NOS:end

=> d his

     (FILE 'HOME' ENTERED AT 08:32:17 ON 30 AUG 2006)

     FILE 'REGISTRY' ENTERED AT 08:32:28 ON 30 AUG 2006
L1               STRUCTURE UPLOADED
L2             0 S L1
L3               STRUCTURE UPLOADED
L4             0 S L3
L5               STRUCTURE UPLOADED
L6             0 S L5
L7               STRUCTURE UPLOADED
L8             1 S L7
L9            20 S L7 FULL
L10              STRUCTURE UPLOADED
L11            0 S L10
L12              STRUCTURE UPLOADED
L13            0 S L12
L14            0 S L12 FULL

     FILE 'CAPLUS' ENTERED AT 08:45:46 ON 30 AUG 2006

=> s 19
L15          19 L9

=> d ed abs ibib hitstr 1-19
```

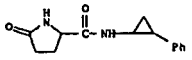
L15 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 03 Feb 2006
AB A dosage form comprising of a high dose, high solubility active ingredient as
modified release and a low dose active ingredient as immediate release where the weight ratio of immediate release active ingredient and modified release active ingredient is from 1:10 to 1:15000 and the weight of modified release active ingredient per unit is from 500 mg to 1500 mg; a process for preparing the dosage form. Tablets containing 10 mg sodium pravastatin and
1000 mg niacin were prepared. The release of sodium pravastatin after 24 h was 67.7%, and the release of niacin after 1 h was 84.1%.
ACCESSION NUMBER: 2006:100738 CAPLUS
DOCUMENT NUMBER: 144:198849
TITLE: Novel dosage form comprising modified-release and immediate-release active ingredients
INVENTOR(S): Vaya, Navin; Karan, Rajesh Singh; Sadanand, Sunil; Gupta, Vinod Kumar
PATENT ASSIGNEE(S): India
SOURCE: U.S. Pat. Appl. Publ., 49 pp., Cont.-in-part of U.S. Ser. No. 630,446.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2006024365	A1	20060202	US 2005-134633		20050519
IN 193042	A	20040626	IN 2002-MU697		20020805
US 2004096499	A1	20040520	US 2003-630446		20030729
PRIORITY APPLN. INFO.:			IN 2002-MU697	A	20020805
			IN 2002-MU699	A	20020805
			IN 2003-MU80	A	20030122
			IN 2003-MU82	A	20030122
			US 2003-630446	A2	20030729

IT 2829-19-8, Rolicyprine
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(novel dosage form comprising modified-release and immediate-release active ingredients)
RN 2829-19-8 CAPLUS
CN 2-Pyrrolidinecarboxamide, 5-oxo-N-(2-phenylcyclopropyl)- (9CI) (CA INDEX NAME)

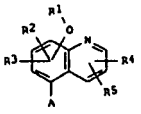


L15 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 18 Jan 2006
AB A theor. model has been developed that discriminates between active and nonactive drugs against HIV-1 with four different mechanisms of action for the active drugs. The model was built up using a probabilistic neural network (PNN) algorithm and a database of 2720 compds. The model showed an overall accuracy of 97.34% in the training series, 85.12% in the selection series, and 84.78% in an external prediction series. The model not only correctly classified a very heterogeneous series of organic compds. but also discriminated between very similar active/nonactive chems. that belong to the same family of compds. More specifically, the model recognized 96.02% of nonactive compds., 94.24% of active compds. that inhibited reverse transcriptase, 97.24% of protease inhibitors, 97.14% of virus uncoating inhibitors, and 90.32% of integrase inhibitors. The results indicate that this approach may represent a powerful tool for modeling large databases in QSAR with applications in medicinal chemical
ACCESSION NUMBER: 2006:44967 CAPLUS
DOCUMENT NUMBER: 144:205230
TITLE: Probabilistic Neural Network Model for the In Silico Evaluation of Anti-HIV Activity and Mechanism of Action
AUTHOR(S): Vilar, Santiago; Santana, Lourdes; Uriarte, Eugenio
CORPORATE SOURCE: Faculty of Pharmacy, Department of Organic Chemistry, University of Santiago de Compostela, Santiago de Compostela, 15782, Spain
SOURCE: Journal of Medicinal Chemistry (2006), 49(3), 1118-1124
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 2829-19-8, Rolicyprine
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(probabilistic neural network model for In silico evaluation of anti-HIV activity and mechanism of action)
RN 2829-19-8 CAPLUS
CN 2-Pyrrolidinecarboxamide, 5-oxo-N-(2-phenylcyclopropyl)- (9CI) (CA INDEX NAME)

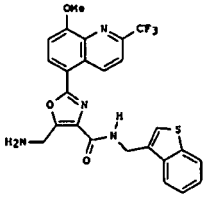


REFERENCE COUNT: 80 THERE ARE 80 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 09 Dec 2005
GI



I



II

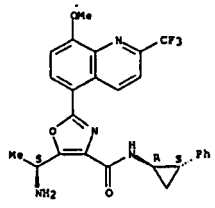
AB Title compds. I (R1 = H, alkyl, cycloalkyl; R2, R3 and R5 independently = H or halo; R4 = H, halo, alkyl, etc.; A = substituted oxazolyl, imidazole, thiazole or pyrrole), and their pharmaceutically acceptable salts, are prepared and disclosed as pde4 inhibitors. Thus, e.g., II was prepared in a multistep synthesis from 2-trifluoromethyl-8-methoxyquinolin-5-yl carboxylic acid. In PDE4 assays, selected compds. possessed IC50 values ranging from 0.01-1.8 nM. Also claimed are pharmaceutical compns., the use of the compds. as PDE4 inhibitors, and combinations with other actives.
ACCESSION NUMBER: 2005:1289687 CAPLUS
DOCUMENT NUMBER: 144:51568
TITLE: Preparation of substituted 2-quinolyl-oxazoles and their heterocyclic analogs useful as pde4 inhibitors
INVENTOR(S): Kuang, Rongze; Blythin, David; Shih, Neng-Yang; Shue, Ho-Jane; Chen, Xiao; Cao, Jianhua; Gu, Danlin; Huang, Ying; Schwerdt, John H.; Ting, Pauline C.; Wong, Shing-Chun; Xiao, Li
PATENT ASSIGNEE(S): Schering Corporation, USA
SOURCE: PCT Int. Appl., 233 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

L15 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005116009	A1	20051208	WO 2005-US17134	20050516
WO 2005116009	B1	20060126		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2006106062	A1	20060518	US 2005-130359	20050516
PRIORITY APPLN. INFO.:			US 2004-572266P	P 20040518
OTHER SOURCE(S):		MARPAT 144:51568		

IT 871007-61-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of substituted quinolyloxazoles and their heterocyclic analogs
useful as PDE4 inhibitors)
RN 871007-61-3 CAPLUS
CN 4-Oxazolecarboxamide, 5-[(1S)-1-aminoethyl]-2-[8-methoxy-2-(trifluoromethyl)-5-quinolinyl]-N-[(1R,2S)-2-phenylcyclopropyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

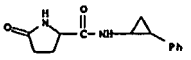
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 16 Sep 2005
AB The present invention relates to a novel method of treating and/or preventing psychiatric disorders in a subject by administering to the subject at least one Cox-2 inhibitor alone or in combination with one or more antidepressant agents. Compns., pharmaceutical compns. and kits are also described. Thus, celecoxib was prepared starting from 4'-methylacetophenone and ethyltrifluoroacetate followed by reaction with 4-sulfonamidophenylhydrazine. A composition is obtained by mixing sertraline and celecoxib.
ACCESSION NUMBER: 2005:1004550 CAPLUS
DOCUMENT NUMBER: 143:311967
TITLE: Compositions for treating psychiatric disorders with COX-2 inhibitors alone and in combination with antidepressant agents
INVENTOR(S): Stephenson, Diane; Taylor, Duncan P.
PATENT ASSIGNEE(S): Pharmacia Corporation, USA
SOURCE: PCT Int. Appl., 200 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005084654	A2	20050915	WO 2005-US6818	20050302

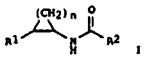
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2004-549281P P 20040302
IT 2829-19-8, Rolicyprine
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(compns. for treating psychiatric disorders with COX-2 inhibitors alone and in combination with antidepressant agents)
RN 2829-19-8 CAPLUS
CN 2-Pyrrolidinecarboxamide, 5-oxo-N-(2-phenylcyclopropyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L15 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 13 Feb 2004
GI



AB The present invention relates to acylated arylcycloalkylamines of the formula (I) including N-(trans-2-phenylcyclopropyl)carboxamides [wherein R1, R2 = each (un)substituted Ph, 1- or 2-naphthyl, or 5- to 10-membered, aromatic, monocyclic or bicyclic heterocycle containing one or more heteroatoms selected from the group consisting of N, O and S; n = an integer of 1-4]. These compds. upregulate the expression of the enzyme endothelial nitric oxide (NO) synthase and can be applied in conditions in which an increased expression of said enzyme or an increased NO level or the normalization of a decreased NO level is desired. They are useful in the treatment of various disease states including cardiovascular disorders such as atherosclerosis, thrombosis, coronary artery disease, hypertension and cardiac insufficiency. The diseases also include for the treatment of stable or unstable angina pectoris, coronary heart disease, Prinzmetal angina, acute coronary syndrome, heart failure, myocardial infarction, stroke, peripheral artery occlusive disease, endothelial dysfunction, restenosis, endothelial damage after PTCA, essential hypertension, pulmonary hypertension, secondary hypertension, renovascular hypertension, chronic glomerulonephritis, erectile dysfunction, ventricular arrhythmia, diabetes, diabetes complications, nephropathy, retinopathy, angiogenesis, asthma bronchiale, chronic renal failure, cirrhosis of the liver, osteoporosis, restricted memory performance or a restricted ability to learn, or for the lowering of cardiovascular risk of postmenopausal women or of women taking contraceptives. For example, N-(trans-2-phenylcyclopropyl)-3-amino-5-methylpyrazine-2-carboxamide and N-(trans-2-phenylcyclopropyl)-2,5-dimethyl-1-(thiophen-2-ylmethyl)-1H-pyrrole-3-carboxamide inhibited the activation of transcription of human endothelial nitric oxide synthetase in primary human umbilical vein code cells (HUVEC) with EC50 of 0.060 and <0.01 μM, resp.
ACCESSION NUMBER: 2004:117248 CAPLUS
DOCUMENT NUMBER: 140:181465
TITLE: Preparation of acylated arylcycloalkylamines and their use as pharmaceuticals for treatment of cardiovascular disorders
INVENTOR(S): Strobel, Hartmut; Vohlfart, Paulus; Below, Peter
PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Germany
SOURCE: Eur. Pat. Appl., 26 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1388535	A1	20040211	EP 2002-17587	20020807

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

L15 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CA 2494628	AA	20040219	CA 2003-2494628	20030724
WO 2004014842	A1	20040219	WO 2003-EP8104	20030724
WO 2004014842	C1	20050428		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003250159	A1	20040225	AU 2003-250159	20030724
EP 1529031	A1	20050511	EP 2003-784056	20030724

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

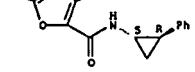
BR 2003013271	A	20050621	BR 2003-13271	20030724
CN 1675170	A	20050928	CN 2003-819123	20030724
JP 2005534706	T2	20051117	JP 2004-526766	20030724
US 2004082628	A1	20040429	US 2003-636001	20030807
NO 2005001110	A	20050301	NO 2005-1110	20050301

PRIORITY APPLN. INFO.:

EP 2002-17587	A	20020807
US 2002-432312P	P	20021210
WO 2003-EP8104	W	20030724

OTHER SOURCE(S): MARPAT 140:181465
IT 658683-57-9P 658683-60-4P 658683-72-8P
658683-80-8P 658683-85-3P 658683-86-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of acylated arylcycloalkylamines as regulators of transcription of endothelial nitric oxide synthase gene and pharmaceuticals for treatment of cardiovascular disorders)
RN 658683-57-9 CAPLUS
CN 5-Oxazolecarboxamide, 2,4-dimethyl-N-[(1R,2S)-2-phenylcyclopropyl]-, rel- (9CI) (CA INDEX NAME)

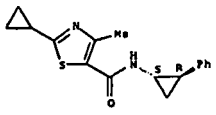
Relative stereochemistry.



RN 658683-60-4 CAPLUS
CN 5-Thiazolecarboxamide, 2-cyclopropyl-4-methyl-N-[(1R,2S)-2-phenylcyclopropyl]-, rel- (9CI) (CA INDEX NAME)

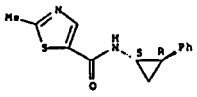
Relative stereochemistry.

L15 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



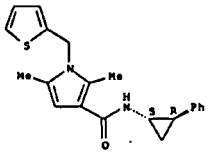
RN 658683-72-8 CAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[(1R,2S)-2-phenylcyclopropyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 658683-80-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2,5-dimethyl-N-[(1R,2S)-2-phenylcyclopropyl]-1-(2-thienylmethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



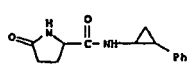
RN 658683-85-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2,5-dimethyl-N-[(1R,2S)-2-phenylcyclopropyl]-1-(4-pyridinylmethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L15 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 21 Jan 2003
AB The aim of the work was to discriminate between antibacterial and non-antibacterial drugs by topol. methods and to select new potential antibacterial agents from among new structures. The method used for antibacterial activity selection was a linear discriminant anal. (LDA). It is possible to obtain a QSAR interpretation of the information contained in the discriminant function. We make use of the pharmacol. distribution diagrams (PDDs) as a visualizing technique for the identification and selection of new antibacterial agents.

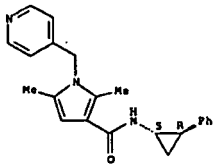
ACCESSION NUMBER:	2003:49279 CAPLUS
DOCUMENT NUMBER:	139:159420
TITLE:	Discrimination and selection of new potential antibacterial compounds using simple topological descriptors
AUTHOR(S):	Murcia-Soler, Miguel; Perez-Gimenez, Facundo; Garcia-March, Francisco J.; Salabert-Salvador, M. Teresa; Diaz-Villanueva, Wladimiro; Medina-Casamayor, Piedad
CORPORATE SOURCE:	Faculty of Pharmacy, Department of Physical Chemistry, Universitat de Valencia, Valencia, Spain
SOURCE:	Journal of Molecular Graphics & Modelling (2003), 21(5), 375-390 CODEN: JMGMFI; ISSN: 1093-3263
PUBLISHER:	Elsevier Science Inc.
DOCUMENT TYPE:	Journal
LANGUAGE:	English

IT 2829-19-8, Rolicyprine
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(discrimination and selection of new potential antibacterial compds. using simple topol. descriptors)
RN 2829-19-8 CAPLUS
CN 2-Pyrrolidinecarboxamide, 5-oxo-N-(2-phenylcyclopropyl)- (9CI) (CA INDEX NAME)



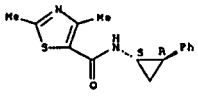
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



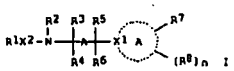
RN 658683-86-4 CAPLUS
CN 5-Thiazolecarboxamide, 2,4-dimethyl-N-[(1R,2S)-2-phenylcyclopropyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

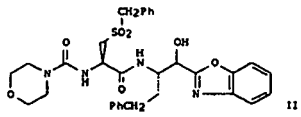


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 22 Sep 2000
GI



I



II

AB Title compds. [I; A = heteromonocyclic ring containing 5-6 member; fused heteropolycyclic ring containing 8-14 member; X1 = C, CH; X2 = bond, NHCH2CO, NHCH2CH2SO2, alkylamino; R1 = alkylaminocarbonyl, alkoxycarbonyl, alkylcarbonyl, alkylsulfonyl; R2 = H, alkyl; R3 = alkyl; R4 = H, alkyl; R3R4 = cycloalkylene, heterocycloalkylene; R5 = H; R6 = H; R5R6 = oxo; R7 = CN, Cl, Br, F, NO2, H; R8 = alkyl, alkylidene, CN, Cl, F, Br, NO2; n = 0, 1, 2, 3], N-oxide derivs., prodrug derivs., protected derivs., individual isomers, mixts. of isomers, and pharmaceutically acceptable salts and compns. with bisphosphonic acids or acid esters as excipients are prepared as cathepsin K and cathepsin S inhibitors. Title compds. are administering to animal in treating diseases which cysteine protease activity contributes to the pathol. and/or symptomatol. The diseases are autoimmune disorder, allergic disorder, allogenic immune response, excessive elastolysis, cardiovascular disorders, fibril formation, etc. Thus, the title compound II was prepared

ACCESSION NUMBER:	2000:666718 CAPLUS
DOCUMENT NUMBER:	133:252041
TITLE:	Preparation of amine derivatives as cathepsin K and cathepsin S inhibitors and in treating pathology and/or symptomatology of diseases caused by cysteine protease activity
INVENTOR(S):	Link, John O.; Martelli, Arnold J.; Martichonok, Valeri; Patterson, John W.; Saunders, Oliver L.; Zipfel, Sheila
PATENT ASSIGNEE(S):	Axys Pharmaceuticals, Inc., USA
SOURCE:	PCT Int. Appl., 223 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

L15 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

WO 2000055144	A1	20000921	WO 2000-US6885	20000315
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2367352	AA	20000921	CA 2000-2367352	20000315
AU 2000037507	A5	20001004	AU 2000-37507	20000315
AU 774664	B2	20040701		
EP 1161422	A1	20011212	EP 2000-916397	20000315
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000009044	A	20020115	BR 2000-9044	20000315
TR 200103335	T2	20020422	TR 2001-3335	20000315
JP 2002539201	T2	20021119	JP 2000-605574	20000315
EE 200100486	A	20030217	EE 2001-486	20000315
US 6576630	B1	20030610	US 2000-525507	20000315
EP 1516877	A1	20050323	EP 2004-15656	20000315
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
ZA 2001007496	A	20021211	ZA 2001-7496	20010911
NO 2001004483	A	20011101	NO 2001-4483	20010914
BG 105969	A	20020531	BG 2001-105969	20011002
HR 2001000736	A1	20021231	HR 2001-736	20011012
US 2003232864	A1	20031218	US 2003-354888	20030128
AU 2004201071	A1	20040408	AU 2004-201071	20040315

PRIORITY APPLN. INFO.:

US 1999-124421P	P	19990315
AU 2000-37507	A3	20000315
EP 2000-916397	A3	20000315
US 2000-525507	A1	20000315
WO 2000-US6885	W	20000315

OTHER SOURCE(S): MARPAT 133:252041

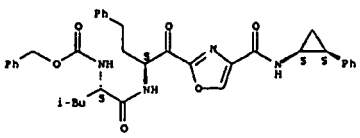
IT 294884-90-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of amine deriva. as cathepsin K and cathepsin S inhibitors useful in disorders caused by cysteine protease activity)

RN 294884-90-5 CAPLUS

CN Carbamic acid, [(1S)-3-methyl-1-[[[(1S)-3-phenyl-1-[[4-[[[(1S,2S)-2-phenylcyclopropyl]amino]carbonyl]-2-oxazolyl]carbonyl]propyl]amino]carbonyl]butyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

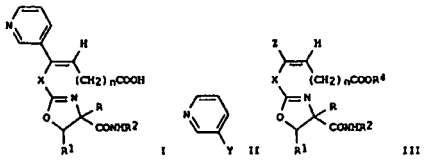
Absolute stereochemistry.

L15 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 04 Jan 1999
GI



AB The title compds. I [n = 2-5; X = 1,2-C6H4, 1,3-C6H4, 1,4-C6H4; R = R1 = H, RR1 = double bond; R2 = alkyl, alkenyl, alkynyl, 2-phenylcyclopropyl, C-4 substituted Ph, C-4 substituted cyclohexyl, R3-substituted alkyl or oxaalkyl [R3 = (un)substituted cycloalkyl, Ph, tetrahydropyranyl, morpholino, piperidino, pyrrolidino, etc.]] and their salts, which possess thromboxane receptor antagonism activity, inhibited thromboxane synthase, inhibited induced blood platelet aggregation, and demonstrated an absence of TXA2 agonist activity, were prepared by Stille coupling reactions of pyridines II and alkenes III (Y, Z = Br, iodo, F3CSO3, trialkylstannyl; R4 = carboxy protecting group) in the presence of a Stille palladium coupling catalyst. Alternatively, I were prepared by Wittig olefination reactions of appropriate 3-pyridinyl oxazolylphenyl ketones.

ACCESSION NUMBER: 1999:3310 CAPLUS
DOCUMENT NUMBER: 130:52408
TITLE: Processes for the preparation of α-(3-pyridinyl)-ω-[(carbamoyloxazolyl)phenyl] alkenoic acids with thromboxane receptor antagonism activity
INVENTOR(S): Nelson, Katrina Ann; Nunes, Joseph John
PATENT ASSIGNEE(S): Eli Lilly and Company, USA
SOURCE: U.S., 32 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5849922	A	19981215	US 1997-862710	19970523
US 5990308	A	19991123	US 1998-151122	19980910
US 6031095	A	20000229	US 1998-150996	19980910

PRIORITY APPLN. INFO.:

US 1996-18749P	P	19960531
US 1997-862710	A3	19970523

OTHER SOURCE(S): CASREACT 130:52408; MARPAT 130:52408

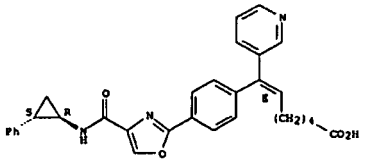
IT 200399-88-8P 200399-89-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

L15 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(prepn. of (pyridinyl)[(carbamoyloxazolyl)phenyl] alkenoic acids with thromboxane receptor antagonism and thromboxane synthase inhibiting activity)

RN 200399-88-8 CAPLUS

CN 6-Heptenoic acid, 7-[4-[4-[[[(1R,2S)-2-phenylcyclopropyl]amino]carbonyl]-2-oxazolyl]phenyl]-7-(3-pyridinyl)-, (6E)-rel-(+)- (9CI) (CA INDEX NAME)

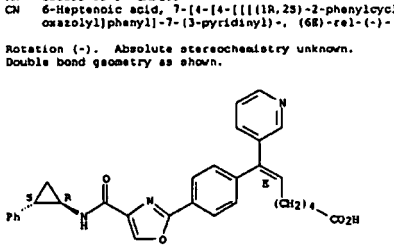
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 200399-89-9 CAPLUS

CN 6-Heptenoic acid, 7-[4-[4-[[[(1R,2S)-2-phenylcyclopropyl]amino]carbonyl]-2-oxazolyl]phenyl]-7-(3-pyridinyl)-, (6E)-rel-(-)- (9CI) (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



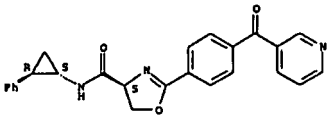
IT 200400-45-9P 200400-46-0P 200400-53-9P
200400-54-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (pyridinyl)[(carbamoyloxazolyl)phenyl] alkenoic acids with thromboxane receptor antagonism and thromboxane synthase inhibiting activity)

RN 200400-45-9 CAPLUS

CN 4-Oxazolecarboxamide, 4,5-dihydro-N-[(1S,2R)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, (4S)- (9CI) (CA INDEX NAME)

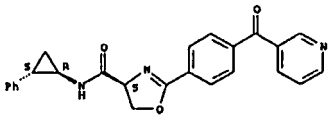
Absolute stereochemistry.

L15 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



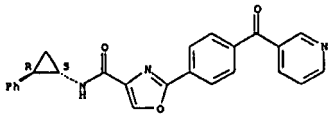
RN 200400-46-0 CAPLUS
CN 4-Oxazolecarboxamide, 4,5-dihydro-N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, (4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 200400-53-9 CAPLUS
CN 4-Oxazolecarboxamide, N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, rel-(+)- (9CI) (CA INDEX NAME)

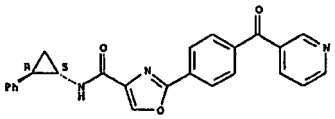
Rotation (+). Absolute stereochemistry unknown.



RN 200400-54-0 CAPLUS
CN 4-Oxazolecarboxamide, N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, rel-(-)- (9CI) (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.

L15 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 01 Jan 1999
GI

AB Title compds. [I; R = alk(en)yl, phenylalkyl, heterocyclylalkyl, etc.; R1 = ZCR2:CH(CH2)nCO2H; R2 = 3-pyridyl throughout; Z = phenylene; n = 2-5; dashed line = optional bond] were prepared as thromboxane receptor and synthase antagonists. Thus, Me (E)-7-(4-carboxyphenyl)-7-(3-pyridyl)-6-heptenoate was amidated by N-(4-cyclohexylbutyl)-O-(tert-butyldimethylsilyl)-L-serinamide (preparation each given) and the deprotected product cyclized to give, after dehydrogenation and saponification, I [R = 4-cyclohexylbutyl, R1 = (E)-C6H4[CR2:CH(CH2)4CO2H]-4, dashed line = bond]. Data for biol. activity of I were given.

ACCESSION NUMBER:	1998:816109 CAPLUS
DOCUMENT NUMBER:	130:66485
TITLE:	Preparation of e-[(carbamoyl-2-oxazolyl)phenyl-e-(3-pyridyl)alkenoates as thromboxane A2 antagonists
INVENTOR(S):	Jakubowski, Joseph Anothony; Maio, Dale Eugene; Takeuchi, Kumiko
PATENT ASSIGNEE(S):	Eli Lilly and Company, USA
SOURCE:	U.S., 28 pp. CODEN: USXXAM
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 5849766	A	19981215	US 1997-862505		19970523
US 6075147	A	20000613	US 1998-148288		19980904
US 6114534	A	20000905	US 1998-148461		19980904
PRIORITY APPLN. INFO.:			US 1996-18595P	P	19960531
			US 1997-862505	A3	19970523

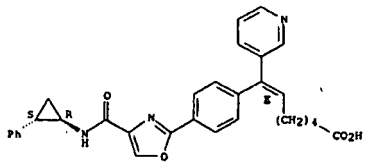
OTHER SOURCE(S): MARPAT 130:66485

IT 200399-88-8P 200399-89-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of e-[(carbamoyl-2-oxazolyl)phenyl-e-(3-pyridyl)alkenoates as thromboxane A2 antagonists)

RN 200399-88-8 CAPLUS
CN 6-Heptenoic acid, 7-[4-[4-[[[(1R,2S)-2-phenylcyclopropyl]amino]carbonyl]-2-oxazolyl]phenyl]-7-(3-pyridinyl)-, (6E)-rel-(+)- (9CI) (CA INDEX NAME)

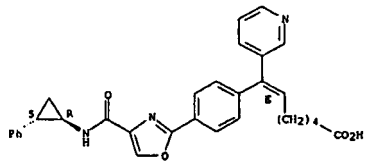
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.

L15 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 200399-89-9 CAPLUS
CN 6-Heptenoic acid, 7-[4-[4-[[[(1R,2S)-2-phenylcyclopropyl]amino]carbonyl]-2-oxazolyl]phenyl]-7-(3-pyridinyl)-, (6E)-rel-(-)- (9CI) (CA INDEX NAME)

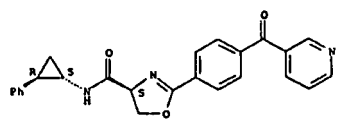
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



IT 200400-45-9P 200400-46-0P 200400-53-9P
200400-54-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of e-[(carbamoyl-2-oxazolyl)phenyl-e-(3-pyridyl)alkenoates as thromboxane A2 antagonists)

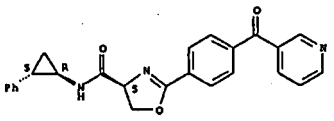
RN 200400-45-9 CAPLUS
CN 4-Oxazolecarboxamide, 4,5-dihydro-N-[(1S,2R)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, (4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



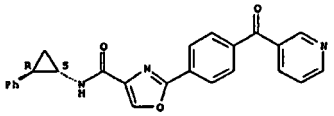
L15 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 200400-46-0 CAPLUS
CN 4-Oxazolecarboxamide, 4,5-dihydro-N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, (4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



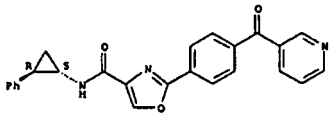
RN 200400-53-9 CAPLUS
CN 4-Oxazolecarboxamide, N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, rel-(+)- (9CI) (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.



RN 200400-54-0 CAPLUS
CN 4-Oxazolecarboxamide, N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, rel-(-)- (9CI) (CA INDEX NAME)

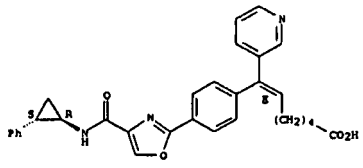
Rotation (-). Absolute stereochemistry unknown.



REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

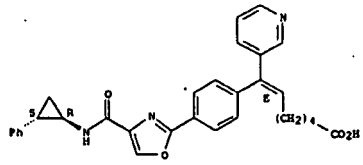
L15 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and thromboxane receptor antagonist and thromboxane synthase inhibitor activity of carbamoyloxazolylphenyl(pyridyl)heptenoic acids)
RN 200399-88-8 CAPLUS
CN 6-Heptenoic acid, 7-[4-[4-[[[(1R,2S)-2-phenylcyclopropyl]amino]carbonyl]-2-oxazolyl]phenyl]-7-(3-pyridinyl)-, (6E)-rel-(+)- (9CI) (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 200399-89-9 CAPLUS
CN 6-Heptenoic acid, 7-[4-[4-[[[(1R,2S)-2-phenylcyclopropyl]amino]carbonyl]-2-oxazolyl]phenyl]-7-(3-pyridinyl)-, (6E)-rel-(-)- (9CI) (CA INDEX NAME)

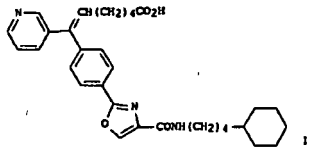
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



IT 200400-53-9P 200400-54-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and thromboxane receptor antagonist and thromboxane synthase inhibitor activity of carbamoyloxazolylphenyl(pyridyl)heptenoic acids)
RN 200400-53-9 CAPLUS
CN 4-Oxazolecarboxamide, N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, rel-(+)- (9CI) (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.

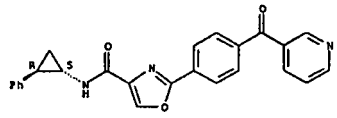
L15 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 03 Dec 1998
GI



AB A novel series of oxazolecarboxamide-substituted e-phenyl-e-(3-pyridyl)alkenoic acid deriva. was discovered as potent dual-acting agents to block the TXA2 receptor and to inhibit the thromboxane synthase (TRA/TSI). Synthesis, structure-activity relationship (SAR), and in vitro and in vivo pharmacol. of this series of compds. are described. Modification of the series revolved around the oxazole moiety to increase the hydrophilicity of the compds. and to correlate the biol. activity with lipophilicity of the compds. The most potent in the series was (E)-7-[4-[4-[[[4-cyclohexylbutyl]amino]carbonyl]-2-oxazolyl]phenyl]-7-(3-pyridyl]hept-6-enoic acid (I) with Kd = 9.9 ± 0.4 nM for thromboxane receptor antagonism and IC50 = 55.0 ± 17.9 nM for thromboxane synthase inhibition. I was a selective TRA/TSI which exhibited desirable characteristics for oral activity, shunt effect to elevate PGI2 level, and absence of agonist activity.

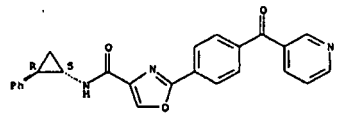
ACCESSION NUMBER: 1998:756609 CAPLUS
DOCUMENT NUMBER: 130:110182
TITLE: Development of Dual-Acting Agents for Thromboxane Receptor Antagonism and Thromboxane Synthase Inhibition. 3. Synthesis and Biological Activities of Oxazolecarboxamide-Substituted e-Phenyl-e-(3-pyridyl)alkenoic Acid Derivatives and Related Compounds
AUTHOR(S): Takeuchi, Kumiko; Kohn, Todd J.; True, Timothy A.; Hais, Dale E.; Wikel, James H.; Utterback, Barbara G.; Wyss, Virginia L.; Jakubowski, Joseph A.
CORPORATE SOURCE: Lilly Research Laboratories, Eli Lilly and Company, Indianapolis, IN, 46285, USA
SOURCE: Journal of Medicinal Chemistry (1998), 41(27), 5362-5374
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 200399-88-8P 200399-89-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological

L15 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



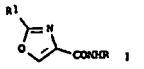
RN 200400-54-0 CAPLUS
CN 4-Oxazolecarboxamide, N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, rel-(-)- (9CI) (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.



REFERENCE COUNT: 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 26 Feb 1998
GI



AB Title compds. [I; R = alk(en)yl, cycloalkylalkyl, phenylalkyl, etc.; R1 = ZCR2:CH(CH2)nCO2H; R2 = 3-pyridiyl; Z = phenylene; n = 2-5; dashed line = optional addnl. bond] were prepared Thus, 4-(Me3CMe2SiO)C6H4CHO was condensed with 3-bromopyridine and the oxidized product condensed with BrPh3P(CH2)5CO2H to give, in 2 addnl. steps, (E)-4-(HO2C)C6H4CH2:CH(CH2)4CO2Me (R2 = 3-pyridiyl) which was condensed with (S)-Me3CMe2SiOCH2CH(NH2)CONHR (R = 4-cyclohexylbutyl)(preparation given) to give, in 3 addnl. steps, I [R = 4-cyclohexylbutyl, R1 = (E)-4-C6H4[CH2:CH(CH2)4CO2H]-4, R2 = 3-pyridiyl, dashed line = addnl. bond]. Data for biol. activity of 1 were given.

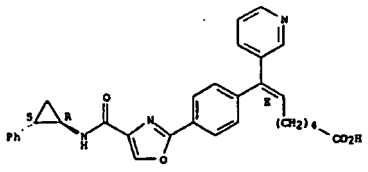
ACCESSION NUMBER: 1998:116096 CAPLUS
DOCUMENT NUMBER: 128:140692
TITLE: Preparation of ω-[(carbamoyloxazolyl)phenyl]alkenoic acids as thromboxane receptor and synthase inhibitors
INVENTOR(S): Nelson, Katrina Ann; Nunes, Joseph John
PATENT ASSIGNEE(S): Eli Lilly and Co., USA
SOURCE: Eur. Pat. Appl., 52 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 816361	A2	19980107	EP 1997-303656		19970529
EP 816361	A3	19980408			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI					
CA 2206469	AA	19971130	CA 1997-2206469		19970528
JP 10059966	A2	19980303	JP 1997-141619		19970530
PRIORITY APPLN. INFO.:			US 1996-18749P	P	19960531
			GB 1996-13219	A	19960625

OTHER SOURCE(S): MARPAT 128:140692
IT 200399-88-8P 200399-89-9P 201993-61-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of ω-[(carbamoyloxazolyl)phenyl]alkenoic acids as thromboxane receptor and synthase inhibitors)
RN 200399-88-8 CAPLUS
CN 6-Heptenoic acid, 7-[4-[4-[[[(1R,2S)-2-phenylcyclopropyl]amino]carbonyl]-2-oxazolyl]phenyl]-7-(3-pyridinyl)-, (6E)-rel-(+)- (9CI) (CA INDEX NAME)

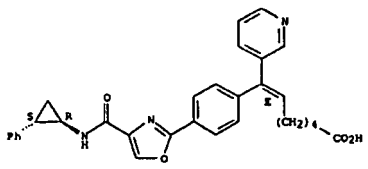
L15 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 200399-89-9 CAPLUS
CN 6-Heptenoic acid, 7-[4-[4-[[[(1R,2S)-2-phenylcyclopropyl]amino]carbonyl]-2-oxazolyl]phenyl]-7-(3-pyridinyl)-, (6E)-rel-(-)- (9CI) (CA INDEX NAME)

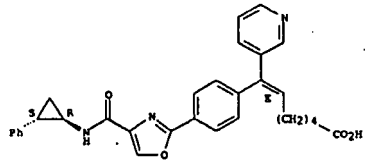
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 201993-61-5 CAPLUS
CN 6-Heptenoic acid, 7-[4-[4-[[(2-phenylcyclopropyl)amino]carbonyl]-2-oxazolyl]phenyl]-7-(3-pyridinyl)-, [1α(E),2β]- (9CI) (CA INDEX NAME)

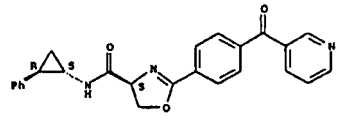
Relative stereochemistry.
Double bond geometry as shown.

L15 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



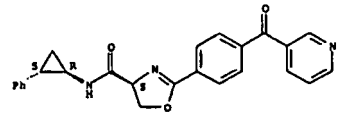
IT 200400-45-9P 200400-46-0P 200400-53-9P
200400-54-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of ω-[(carbamoyloxazolyl)phenyl]alkenoic acids as thromboxane receptor and synthase inhibitors)
RN 200400-45-9 CAPLUS
CN 4-Oxazolecarboxamide, 4,5-dihydro-N-[(1S,2R)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, (4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



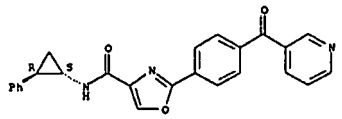
RN 200400-46-0 CAPLUS
CN 4-Oxazolecarboxamide, 4,5-dihydro-N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, (4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



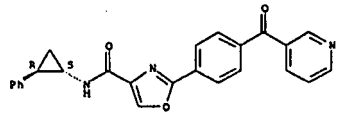
RN 200400-53-9 CAPLUS
CN 4-Oxazolecarboxamide, N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, rel-(+)- (9CI) (CA INDEX NAME)

L15 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Rotation (+). Absolute stereochemistry unknown.



RN 200400-54-0 CAPLUS
CN 4-Oxazolecarboxamide, N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, rel-(-)- (9CI) (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.



L15 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 24 Dec 1997
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. [I; n = 2-5; L = ortho-, meta- or para-phenylene; Ra = H; RaRa = a bond; R = C3-12 alkyl, C3-12 alkenyl, C3-12 alkynyl, etc.] in either the E-form, the Z-form or a mixture thereof, which are ω-phenyl-ω-(3-pyridyl)-ω-alkenoic acid derivs. bearing a carbamoyl substituted oxazolyl or oxazolinyl group on the Ph ring and which demonstrate utility for thromboxane receptor antagonism and/or thromboxane synthase inhibition, were prepared and formulated. Thus, reaction of the acid II with L-serinamide III in the presence of HOBT and DCC in THF followed by TBS-group removal, cyclization of the resulting hydroxybisamide IV in the presence of PPh3, iPr2NEt in CCl4/MeCN, and hydrolysis of the ester V afforded the acid (4S)-(E)-VI which showed IC50 of 82.1 nM against thromboxane synthase.

ACCESSION NUMBER: 1997:801923 CAPLUS
DOCUMENT NUMBER: 128:61507
TITLE: Preparation of carbamoyl-substituted oxazoles as thromboxane receptor antagonists
INVENTOR(S): Jakubowski, Joseph Anthony; Maio, Dale Eugene; Takeuchi, Kumiko
PATENT ASSIGNEE(S): Eli Lilly and Company, USA
SOURCE: Eur. Pat. Appl., 48 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

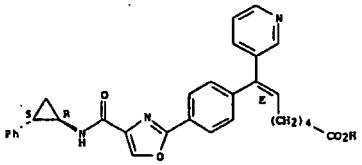
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 811621	A2	19971210	EP 1997-303662		19970529
EP 811621	A3	19980204			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI					
CA 2206466	AA	19971130	CA 1997-2206466		19970528
JP 10059965	A2	19980303	JP 1997-141590		19970530
			US 1996-18595P	P	19960531
PRIORITY APPLN. INFO.:			GB 1996-13222	A	19960625

OTHER SOURCE(S): MARPAT 128:61507

IT 200399-88-8P 200399-89-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of carbamoyl-substituted oxazoles as thromboxane receptor antagonists)
RN 200399-88-8 CAPLUS
CN 6-Heptenoic acid, 7-[4-[4-[[[(1R,2S)-2-phenylcyclopropyl]amino]carbonyl]-2-oxazolyl]phenyl]-7-(3-pyridinyl)-, (6E)-rel-(+)- (9CI) (CA INDEX NAME)

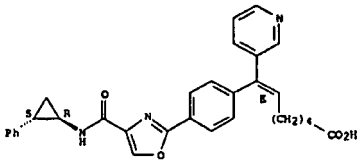
Rotation (+). Absolute stereochemistry unknown.

L15 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Double bond geometry as shown.



RN 200399-89-9 CAPLUS
CN 6-Heptenoic acid, 7-[4-[4-[[[(1R,2S)-2-phenylcyclopropyl]amino]carbonyl]-2-oxazolyl]phenyl]-7-(3-pyridinyl)-, (6E)-rel-(-)- (9CI) (CA INDEX NAME)

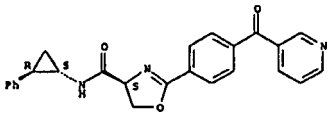
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



IT 200400-45-9P 200400-46-0P 200400-53-9P
200400-54-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of carbamoyl-substituted oxazoles as thromboxane receptor antagonists)
RN 200400-45-9 CAPLUS
CN 4-Oxazolecarboxamide, 4,5-dihydro-N-[(1S,2R)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, (4S)- (9CI) (CA INDEX NAME)

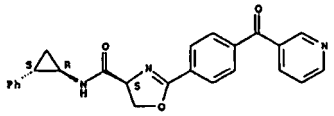
Absolute stereochemistry.

L15 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



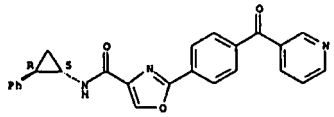
RN 200400-46-0 CAPLUS
CN 4-Oxazolecarboxamide, 4,5-dihydro-N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, (4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 200400-53-9 CAPLUS
CN 4-Oxazolecarboxamide, N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, rel-(+)- (9CI) (CA INDEX NAME)

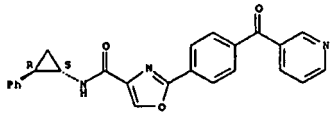
Rotation (+). Absolute stereochemistry unknown.



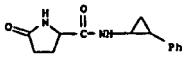
RN 200400-54-0 CAPLUS
CN 4-Oxazolecarboxamide, N-[(1R,2S)-2-phenylcyclopropyl]-2-[4-(3-pyridinylcarbonyl)phenyl]-, rel-(-)- (9CI) (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.

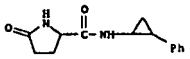
L15 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



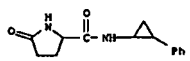
L15 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 04 May 1985
AB Principal component anal. of the Rf values for 596 basic and neutral drugs in 4 eluent mixts. provided a significant 2-component model which explained 77% of the total variance. Each drug was characterized on a plane by 2 principal component scores. The loading plot shows that 3 eluent mixts. are clustered into the same group providing similar information. For identification of unknowns, the method provided a drastic reduction of the range of possibilities to a few candidates.
ACCESSION NUMBER: 1985:154850 CAPLUS
DOCUMENT NUMBER: 102:154850
TITLE: Application of principal components analysis to TLC data for 596 basic and neutral drugs in four eluent systems
AUTHOR(S): Musumarra, Giuseppe; Scarlata, Giuseppe; Romano, Guido; Clementi, Sergio; Wold, Svante
CORPORATE SOURCE: Ist. Dip. Chim. Chim. Ind., Univ. Catania, Catania, 95125, Italy
SOURCE: Journal of Chromatographic Science (1984), 22(12), 538-47
CODEN: JCHSB2; ISSN: 0021-9665
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 2829-19-8
RL: ANT (Analyte); ANST (Analytical study)
(chromatog. of, thin-layer, principal component anal. in)
RN 2829-19-8 CAPLUS
CN 2-Pyrrolidinecarboxamide, 5-oxo-N-(2-phenylcyclopropyl)- (9CI) (CA INDEX NAME)



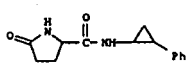
L15 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 12 May 1984
AB EX-4883 [5-oxo-N-(d-trans-2-phenylcyclopropyl)-L-2-pyrrolidinecarboxamide] (I) [2829-19-8], a potent monoamine oxidase inhibitor in vivo, and tranylcypromine [3721-28-6] in equimolar concns. showed similar results on rat and cat blood pressures, on cat nictitating membrane, and on rat Langendorff heart. Although tranylcypromine showed a more potent inotropic effect than I in isolated rat atria, bioactivation of I by a soluble fraction component of rat liver homogenate shifted I activity towards
that of tranylcypromine. These results, and the fact that I inhibited monoamine oxidase [9001-66-5] in vitro only after activation by liver homogenate, suggested that I was biotransformed to an active metabolite having similar pharmacol. effects to those of tranylcypromine.
ACCESSION NUMBER: 1973:105939 CAPLUS
DOCUMENT NUMBER: 78:105939
TITLE: Role of biotransformation on the pharmacology of the monoamine oxidase inhibitor N-(d-trans-2-phenylcyclopropyl)-1-2-pyrrolidin-5-onecarboxamide (EX'-4883)
AUTHOR(S): Love, M. C.; Horita, A.
CORPORATE SOURCE: Sch. Med., Univ. Washington, Seattle, WA, USA
SOURCE: European Journal of Pharmacology (1973), 21(1), 46-52
CODEN: EJPHAZ; ISSN: 0014-2999
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 2829-19-8
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmacol. of, tranylcypromine in relation to)
RN 2829-19-8 CAPLUS
CN 2-Pyrrolidinecarboxamide, 5-oxo-N-(2-phenylcyclopropyl)- (9CI) (CA INDEX NAME)



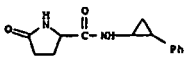
L15 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 12 May 1984
AB The role of metabolism in the activation of monoamine oxidase (MAO) inhibitors was studied. One of these [5-oxo-N-(D-trans-2-phenylcyclopropyl)-L-2-pyrrolidinecarboxamide] is inactive in vitro; when incubated with the soluble fraction of rat liver (and to a lesser extent that
of brain, kidney, and skeletal muscle) 2-phenylcyclopropylamine (tranylcypromine) was liberated, which inhibited MAO. It is assumed that a similar transformation is responsible for the activation of this compound in the intact animal. An irreversible MAO inhibitor, phenelzine, is also a substrate for MAO. Expts. in vivo, and in vitro demonstrated the appearance of phenylacetic acid, supporting the hypothesis that MAO is inhibited by N2H4 liberated during the dehydrazination of this compound
ACCESSION NUMBER: 1970:518743 CAPLUS
DOCUMENT NUMBER: 73:118743
TITLE: Role of metabolism in the action of some monoamine oxidase inhibitors
AUTHOR(S): Horita, Akira; Clineschmidt, B. V.; McMonigle, J. J.
CORPORATE SOURCE: Dep. of Pharmacol., Univ. of Washington, Seattle, WA, USA
SOURCE: Present Status Psychotropic Drugs, Proc. Int. Congr. Coll. Int. Neuro-Psychopharmacol. 6th (1969), Meeting Date 1968, 94-7
CODEN: 22AKAB
DOCUMENT TYPE: Conference
LANGUAGE: English
IT 23887-48-1
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(metabolism of, monoamine oxidase inhibition in relation to)
RN 23887-48-1 CAPLUS
CN 2-Pyrrolidinecarboxamide, 5-oxo-N-(2-phenylcyclopropyl)- (7CI, 8CI) (CA INDEX NAME)



L15 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 12 May 1984
AB L-trans-(+)-5-Oxo-N-(2-phenylcyclopropyl)-2-pyrrolidine carboxamide (E X 4883) was an active monoamine oxidase inhibitor only after bioconversio n to an active metabolite. The enzyme responsible for the activation was found in the soluble fraction (100,000 + g supernatant) of the cell and was highly active in rat liver, kidney, and brain tissues. The enzyme converted EX 4883 into tranylcypromine and pyrrolidone carboxylic acid, with a pH optimum of 7-8; the enzyme was not inhibited by KCN or anaerobic conditions. This biotransformation of EX 4883 by a soluble fraction enzyme represents a new mechanism for drug transformation.
ACCESSION NUMBER: 1970:20210 CAPLUS
DOCUMENT NUMBER: 72:20210
TITLE: Bioactivation of L-trans-(+)-5-oxo-N-(2-phenylcyclopropyl)-2-pyrrolidinecarboxamide (EX 4883) into a monoamine oxidase inhibitor by a soluble fraction enzyme system
AUTHOR(S): McMonigle, J. J.; Horita, A.
CORPORATE SOURCE: Sch. of Med., Univ. of Washington, Seattle, WA, USA
SOURCE: Archives Internationales de Pharmacodynamie et de Therapie (1969), 178(1), 53-61
CODEN: AIPTAK; ISSN: 0003-9780
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 2829-19-8
RL: BIOL (Biological study)
(enzymic transformation of, monoamine oxidase inhibition in relation to)
RN 2829-19-8 CAPLUS
CN 2-Pyrrolidinecarboxamide, 5-oxo-N-(2-phenylcyclopropyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 12 May 1986
AB Unavailable
ACCESSION NUMBER: 1968:113175 CAPLUS
DOCUMENT NUMBER: 68:113175
TITLE: Bioactivation of 5-oxo-N-(D-trans-2-phenylcyclopropyl)-L-2-pyrrolidinecarboxamide (EX 4883) into a potent inhibitor of monoamine oxidase
AUTHOR(S): McMonigle, John J.
CORPORATE SOURCE: Univ. of Washington, Seattle, WA, USA
SOURCE: (1968) 127 pp. Avail.: 67-14,192
From: Diss. Abstr. B 1968, 28(7), 2979
DOCUMENT TYPE: Dissertation
LANGUAGE: English
IT 2829-19-8
RL: BIOL (Biological study)
(monoamine oxidase inhibition by)
RN 2829-19-8 CAPLUS
CN 2-Pyrrolidinecarboxamide, 5-oxo-N-(2-phenylcyclopropyl)- (9CI) (CA INDEX NAME)

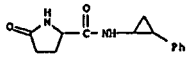


L15 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 12 May 1986
AB (see Brit. 961, 313, CA 61, 6954f). Separation of D-trans-2-phenylcyclopropylamine (I), and L-trans-2-phenylcyclopropylamine (II), from the DL-mixture of these amines is carried out using L-5-pyrrolidinone-2-carboxylic acid (III). The title compds. possess monoamide oxidase-inhibitory properties. To a solution of 5.2 g. III in 80 ml. EtOH containing 5% MeOH at room temperature is added a solution of 5.3 g. DL-trans-2-phenylcyclopropylamine in 20 ml. EtOH containing 5% MeOH. The mixture is chilled in an ice bath until crystallization is complete, the salt removed by filtration, washed with Et2O and dried to yield 4.6 g. of A salt (IV), m. 152-4°. Crystallization from MeCN gives 3.8 g. of pure IV, m. 150-1°, [α]25D -59.67° (H2O). Liberation of II, [α]25D - 117.5° (dioxane), from IV is done with aqueous NaOH solution After removal of IV, the filtrate is diluted with Et2O and 4.2 g. B salt (V), m. 118-21° is obtained. Crystallization of V from MeCN gives 3.9 g. purified V, m. 119-20°, [α]25D 23.27° (H2O). Treatment of purified V with NaOH solution releases strongly enriched I, [α]25D 81.4° (dioxane). To a solution of 5.4 g. III, and 5.6 g. I in 35 ml. 19:1 EtOH-MeOH is added a solution of 9.1 g. dicyclohexylcarbodiimide (VI) in 15 ml. 19:1 EtOH-MeOH. The mixture is stirred overnight at ambient temperature, the dicyclohexylurea removed by filtration, the urea washed with MeCN and the filtrate concentrated to yield 12.9 g. residue which was dissolved in 15 ml. hot MeCN. The solid isolated after crystallization is dried to yield 7.8 g. of crude product, which is crystallized from hot H2O to give 3.6 g. D-N-(trans-2-phenylcyclopropyl)-L-5-pyrrolidone-2-carboxamide, m. 144-7°, [α]25D 104.28° (HCONMe2). In the same manner, 4 g. of L-N-(trans-2-phenylcyclopropyl)-L-5-pyrrolidinone-2-carboxamide, m. 136-7°, [α]25D -110.56° (HCONMe2), is obtained from the reaction of 7.0 g. II, 7.2 g. III, and 11.5 g. VI.
ACCESSION NUMBER: 1967:104804 CAPLUS
DOCUMENT NUMBER: 66:104804
TITLE: Phenylcyclopropyl amides
INVENTOR(S): Biel, John H.
PATENT ASSIGNEE(S): Lakeside Laboratories, Inc.
SOURCE: Fr., 3 pp.
CODEN: FRXOAX
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

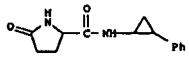
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 87352		19660729	FR 1962-895712	19620426
PRIORITY APPLN. INFO.:			US	19610426

IT 2829-19-8P 2829-20-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 2829-19-8 CAPLUS

L15 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN 2-Pyrrolidinecarboxamide, 5-oxo-N-(2-phenylcyclopropyl)- (9CI) (CA INDEX NAME)



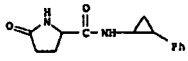
RN 2829-20-1 CAPLUS
CN 2-Pyrrolidinecarboxamide, 5-oxo-N-(2-phenylcyclopropyl)-, stereoisomer (8CI) (CA INDEX NAME)



L15 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 22 Apr 2001
AB Title compds. are prepared by treating a phenylcyclopropylamine with an organic halide or an amino acid (the intermediate in the latter case is dehydrated in situ using dicyclohexylcarbodiimide. E.g., 27 g. trans-phenylcyclopropylamine added at 0-5° to the reaction mixture of 25 g. isonicotinic acid, 20.3 g. Et3N, and 23.8 g. ClCO2Et in CH2Cl2 gave 4.2 g. N-isonicotinoyl-trans-cyclopropylamine m. 142°. Similarly prepared were the following (compound, % yield, and m.p. given): N-(trans-2-phenylcyclopropyl)-p-chlorophenoxyacetamide, 53, 83-5°; N-(trans-2-phenylcyclopropyl)-2-piperidinoacetamide, 100, -; N-(trans-2-phenylcyclopropyl)-2-chloroacetamide, 72, 73-4°; N-(trans-2phenylcyclopropyl)acrylamide, 83, 77°; trans-N-phenylcyclopropyl-2-(N-benzyl-N-propargylamino)acetamide, 42, -; N-(4-hydroxybutyryl)-trans-phenylcyclopropylamine, 56, 83-5°; N-(3,4,5-trimethoxybenzoyl)-trans-phenylcyclopropylamine, 68, 192-4°; N-trans-2-phenylcyclopropyl-4-(N-piperidyl)butyramide, 68.5,-(b0-06 190°, n20D 1.5467); N-trans-2-phenylcyclopropyl-4-chlorobutyramide, 71.5, 74°; N-(N-methyl)pipecoloyl-trans-phenylcyclopropylamine,-, -; L-phenylalanyl-d-trans-phenylcyclopropylamine, -, 91°. N-trans-2-phenylcyclopropyl-L-5-pyrrolidone-2-carboxamide, 82, -; D-N-(trans-2-phenylcyclopropyl)-L-5-pyrrolidone-2-carboxamide, -, 144-7°; L-N-(trans-2-phenylcyclopropyl)-L-5-pyrrolidone-2-carboxamide.
ACCESSION NUMBER: 1965:454588 CAPLUS
DOCUMENT NUMBER: 63:54588
ORIGINAL REFERENCE NO.: 63:9922a-d
TITLE: Phenylcyclopropyl amides
INVENTOR(S): Beil, John H.
PATENT ASSIGNEE(S): Colgate-Palmolive Co.
SOURCE: 6 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3192229		19650629	US 1962-207424	19610426
PRIORITY APPLN. INFO.:			US	19610426

IT 23887-48-1, 2-Pyrrolidinecarboxamide, 5-oxo-N-(2-phenylcyclopropyl)-, L,L-trans-
(preparation of)
RN 23887-48-1 CAPLUS
CN 2-Pyrrolidinecarboxamide, 5-oxo-N-(2-phenylcyclopropyl)- (7CI, 8CI) (CA INDEX NAME)



10636001Amend

=> fil reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	96.41	439.30

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-13.50	-13.50

FILE 'REGISTRY' ENTERED AT 08:46:44 ON 30 AUG 2006
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 29 AUG 2006 HIGHEST RN 905300-98-3
DICTIONARY FILE UPDATES: 29 AUG 2006 HIGHEST RN 905300-98-3

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experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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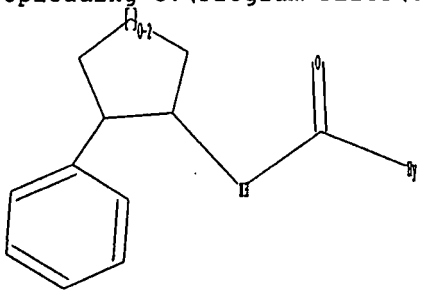
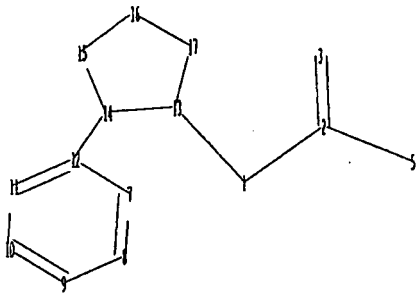




chain nodes :
1 2 3 5
ring nodes :
7 8 9 10 11 12 13 14 15 16 17
chain bonds :
1-2 1-13 2-3 2-5 12-14
ring bonds :

7-12 7-8 8-9 9-10 10-11 11-12 13-14 13-17 14-15 15-16 16-17
exact/norm bonds :
1-2 1-13 2-3 2-5 13-14 13-17 14-15 15-16 16-17
exact bonds :
12-14
normalized bonds :
7-12 7-8 8-9 9-10 10-11 11-12

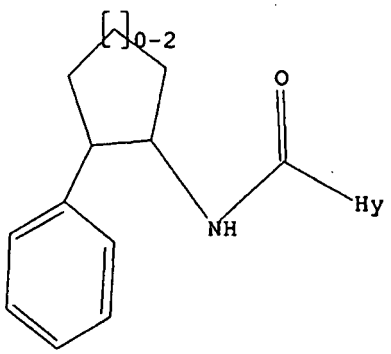
G1:C,O,S

Match level :
1:CLASS 2:CLASS 3:CLASS 5:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom
Generic attributes :
5:
Saturation : Unsaturated
Type of Ring System : Monocyclic

Element Count :
Node 5: Limited
C,C3-4
O,O0-1
S,S0-1
N,N1

L16 STRUCTURE UPLOADED

=> d l16
L16 HAS NO ANSWERS
L16 STR



G1 C,O,S

Structure attributes must be viewed using STN Express query preparation.

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=> s l16
SAMPLE SEARCH INITIATED 08:47:41 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     2236 TO ITERATE

 89.4% PROCESSED     2000 ITERATIONS                                 10 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       41884 TO    47556
PROJECTED ANSWERS:             23 TO      423

L17          10 SEA SSS SAM L16

=> s l16 full
FULL SEARCH INITIATED 08:47:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    45277 TO ITERATE

100.0% PROCESSED    45277 ITERATIONS                                270 ANSWERS
SEARCH TIME: 00.00.01

L18         270 SEA SSS FUL L16

=> fil hcaplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   167.38     606.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00     -13.50

FILE 'HCAPLUS' ENTERED AT 08:47:51 ON 30 AUG 2006
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FILE COVERS 1907 - 30 Aug 2006  VOL 145 ISS 10
FILE LAST UPDATED: 29 Aug 2006  (20060829/ED)

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 This file contains CAS Registry Numbers for easy and accurate
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substance identification.

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=> s l18
L19          38 L18

=> d his

     (FILE 'HOME' ENTERED AT 08:32:17 ON 30 AUG 2006)

     FILE 'REGISTRY' ENTERED AT 08:32:28 ON 30 AUG 2006
L1               STRUCTURE UPLOADED
L2             0 S L1
L3               STRUCTURE UPLOADED
L4             0 S L3
L5               STRUCTURE UPLOADED
L6             0 S L5
L7               STRUCTURE UPLOADED
L8             1 S L7
L9            20 S L7 FULL
L10              STRUCTURE UPLOADED
L11            0 S L10
L12              STRUCTURE UPLOADED
L13            0 S L12
L14            0 S L12 FULL

     FILE 'CAPLUS' ENTERED AT 08:45:46 ON 30 AUG 2006
L15           19 S L9

     FILE 'REGISTRY' ENTERED AT 08:46:44 ON 30 AUG 2006
L16              STRUCTURE UPLOADED
L17           10 S L16
L18          270 S L16 FULL

     FILE 'HCAPLUS' ENTERED AT 08:47:51 ON 30 AUG 2006
L19           38 S L18

=> s l18 not l9
             38 L18
             19 L9
L20          38 L18 NOT L9

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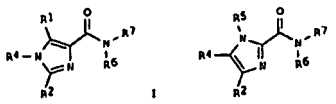
L20 ANSWER 1 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 20 Jul 2006
GI



I II

AB Imidazole-4-carboxamides (I) and imidazole-2-carboxamide (II) [R1, R2 = H, cyano, halo, each (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; R5 = H, each alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; R6 = each (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; R6 = H; R7 = each (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl or heteroaralkyl] as single isomers, mixture of isomers, or as racemic mixts. of isomers or as solvates or polymorphs or as prodrugs or metabolites or as pharmaceutically acceptable salts thereof are prepared These compds. are useful in modulating the activity of steroid nuclear receptors and thereby for the treatment of a disease, or disorder mediated by, or otherwise affected by one or more steroid nuclear receptors (in particular mineralocorticoid receptor), or in which steroid nuclear receptor activity is implicated. The above disease or disorder is related to cancer, infertility, one or more metabolic syndromes, bone or cartilage dysfunction, immune dysfunction, cognitive dysfunction, high blood pressure, heart disease, renal disease, fibrosis, epidermal dysfunction, or muscle wasting. Thus, to a stirred mixture of 1,4-dimethyl-5-(2-phenoxyphenyl)-1H-imidazole-2-carboxylic acid Et ester (202 mg, 0.60 mmol) and 4-methanesulfonylaniline (136 mg, 0.80 mmol) in toluene (5 mL, anhydrous) was added dropwise Me3Al (2.0 M in toluene, 0.4 mL, 0.8 mmol) under N at ambient temperature and the resulting mixture was stirred at 100° in a sealed vial for 10 h to give, after silica gel chromatog., 1,4-dimethyl-5-(2-phenoxyphenyl)-1H-imidazole-2-carboxylic acid (4-methanesulfonylphenyl)amide (III). III showed antagonist activity against mineralocorticoid receptor with IC50 of <0.5 μM which was ten-fold greater than the antagonist activity against androgen receptor (AR), estrogen receptor α (ERα), glucocorticoid receptor (GR), and progesterone receptor (PR).

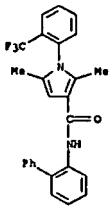
ACCESSION NUMBER: 2006:699903 HCAPLUS
DOCUMENT NUMBER: 145:145709
TITLE: Preparation of heterocyclic carboxamide compounds as steroid nuclear receptors ligands
INVENTOR(S): Flatt, Brenton; Gu, Xiao-Hui; Martin, Richard; Mohan, Raju; Murphy, Brett; Nyman, Michael C.; Stevens, William C., Jr.; Wang, Tie-Lin
PATENT ASSIGNEE(S): Exelixis, Inc., USA

L20 ANSWER 1 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
SOURCE: PCT Int. Appl., 196 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006076202	A1	20060720	WO 2006-US319	20060106

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2005-642839P P 20050110
IT 880775-19-9P, 2,5-Dimethyl-1-(2-trifluoromethylphenyl)-1H-pyrrole-3-carboxylic acid N-(biphenyl-2-yl)amide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of imidazolecarboxamides as modulators of steroid nuclear receptors)
RN 880775-19-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[1,1'-biphenyl]-2-yl-2,5-dimethyl-1-[2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 2 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 01 Jun 2006
AB Synergistic fungicidal compns. comprise menadione and at least one agent selected from: (A) azoles, such as cyproconazole, difenoconazole, epoxiconazole, fluquinconazole, flusilazole, hexaconazole, imazalil, metconazole, myclobutanil, penconazole, prochloraz, prothioconazole, tebuconazole, triadimefon, triadimenol, triflumizole; (B) strobilurines, such as azoxystrobin, dimoxystrobin, fluoxastrobin, kresoxim-Me, metominostrobin, orysastrobin, picoxystrobin, pyraclostrobin, or trifloxystrobin; (C) acylalanines, such as benalaxyl, metalaxyl, mefenoxam, ofurace, oxadixyl; (D) amine derivs., such as spiroxamine; (E) anilinopyrimidines, such as pyrimethanil, mepanipyrim, or cyprodinil,. (F) dicarboximides, such as iprodion, procymidon, vinclozolin; (G) cinnamamides and analogs, such as dimethomorph, flumetover, or flumorph; (H) dithiocarbamates, such as ferbam, nabam, maneb, metam, metiram, propineb, polycarbamate, thiram, ziram, zineb; (I) heterocylic compds., such as benomyl, boscalid, carbendazim, dithianon, famoxadone, fenamidone, picobenzamide, proquinazid, quinoxyfen, thiophanat-Me, triforine, 5-chloro-7-(4-methyl-piperidine-1-yl)-6-(2,4,6-trifluoro-phenyl)-[1,2,4]triazolo[1,5-a]pyrimidin, 3-(3-bromo-6-fluoro-2-methyl-indol-1-sulfonyl)-[1,2,4]triazol-1-sulfonic acid di-Me amide, or thiophene derivs.

ACCESSION NUMBER: 2006:512967 HCAPLUS
DOCUMENT NUMBER: 144:482751
TITLE: Synergistic fungicidal menadione compositions
INVENTOR(S): Koehle, Harald; Stierl, Reinhard; Gold, Randall Evan; Goerth, Felix Christian; Speakman, John-Bryan; Dombo, Peter; Semar, Martin; Strobel, Dieter; Niedenbrueck, Matthias; Bestman, Hans
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006056434	A1	20060601	WO 2005-EP12562	20051124

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: DE 2004-102004057279A 20041126
OTHER SOURCE(S): MARPAT 144:482751
IT 887499-92-5 887499-93-6 887499-94-7
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal composition)
RN 887499-92-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-bromo[1,1'-biphenyl]-2-yl]-4-(difluoromethyl)-2-methyl-, mixt. with 2-methyl-1,4-naphthalenedione (9CI) (CA INDEX NAME)

L20 ANSWER 2 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

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CRN 577954-87-1
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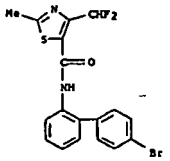
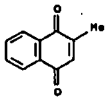


CN 2

CRN 58-27-5
CMF C11 H8 O2

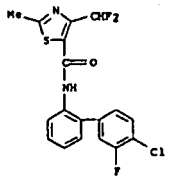


RN 887499-93-6 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-[4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-, mixt. with 2-methyl-1,4-naphthalenedione (9CI) (CA INDEX NAME)

CN 1

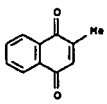
CRN 577954-88-2
CMF C19 H13 F5 N2 O S

L20 ANSWER 2 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



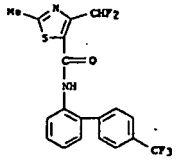
CN 2

CRN 58-27-5
CMF C11 H8 O2



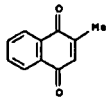
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 2 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CN 2

CRN 58-27-5
CMF C11 H8 O2

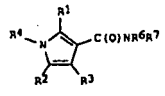


RN 887499-94-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with 2-methyl-1,4-naphthalenedione (9CI) (CA INDEX NAME)

CN 1

CRN 577954-96-2
CMF C18 H12 Cl F3 N2 O S

L20 ANSWER 3 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 11 Apr 2006
GI



I

AB Pyrrolecarboxamide derivs. (shown as I; other Markush structures for pyrrolecarboxamides are defined in the claims; variables defined below; e.g. 1-[4-fluoro-2-(trifluoromethyl)phenyl]-2,5-dimethyl-1H-pyrrole-3-carboxylic acid N-[4-(sulfamoyl)phenyl]amide (II)), compns. and methods for modulating the activity of receptors are provided. In particular compds. and compns. are provided for modulating the activity of receptors and for the treatment, prevention, or amelioration of ≥1 symptoms of disease or disorder directly or indirectly related to the activity of the receptors. Semiquant. IC50 values for antagonist activity of 23 examples of I are tabulated and compared to the activity of the Spironolactone control. For I: R1 and R2 = H, halo, cyano, or (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocyclyl, or heterocyclylalkyl, or -OR9, -SR9, -N(R9)2, -C(O)OR9 or -C(O)N(R9)2; R3 = H, halo, cyano, (un)substituted alkyl, (un)substituted alkenyl or (un)substituted alkynyl; R4 is H, -C(O)R9, -S(O)2R9, or (un)substituted alkyl, alkenyl or alkynyl, or R4 is (un)substituted cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl or heteroaralkyl; R5 is H or (un)substituted alkyl; R7 is (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, aralkyl, heteroaryl or heteroaralkyl; addnl. details are given in the claims. Although the methods of preparation are not claimed, prepns. and/or characterization data for many examples of I are included. For example, II was prepared in 5 steps (50, 37, 62, 64, and 66 % yields, resp.) starting with preparation of 1-[4-fluoro-2-(trifluoromethyl)phenyl]-2,5-dimethyl-1H-pyrrole from 4-fluoro-2-(trifluoromethyl)aniline and 2,5-hexanedione, followed by preparation of the following intermediates: 1-(4-fluoro-2-trifluoromethylphenyl)-2,5-dimethyl-1H-pyrrole-3-carboxaldehyde, 1-[4-fluoro-2-(trifluoromethyl)phenyl]-2,5-dimethyl-1H-pyrrole-3-carboxylic acid, and 1-[4-fluoro-2-(trifluoromethyl)phenyl]-2,5-dimethyl-1H-pyrrole-3-carbonyl chloride and finally amide formation with sulfanilamide.

ACCESSION NUMBER: 2006:332235 HCAPLUS
DOCUMENT NUMBER: 144:350539
TITLE: Preparation of pyrrolecarboxamide derivatives as mineralocorticoid receptor antagonists for use against cancer and other disorders
INVENTOR(S): Canne Bannen, Lynne; Chen, Jeff; Dalrymple, Lisa Esther; Flatt, Brenton T.; Forsyth, Timothy Patrick; Gu, Xiao-Hu; Mac, Morrison B.; Mann, Larry W.; Mann, Grace; Martin, Richard; Mohan, Raju; Murphy, Brett; Nyman, Michael Charles; Stevens, William C., Jr.; Wang, Tie-Lin; Wong, Yong; Wu, Jason H.
PATENT ASSIGNEE(S): Exelixis, Inc., USA

L20 ANSWER 3 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

SOURCE: PCT Int. Appl., 477 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006012642	A2	20060202	WO 2005-US26916	20050730
WO 2006012642	A3	20060727		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

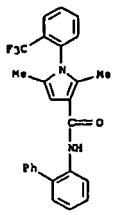
PRIORITY APPLN. INFO.: US 2004-592439P P 20040730
US 2004-592469P P 20040730

OTHER SOURCE(S): MARPAT 144:350539

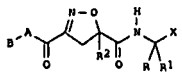
IT 880775-19-9P, 2,5-Dimethyl-1-(2-trifluoromethylphenyl)-1H-pyrrole-3-carboxylic acid N-(biphenyl-2-yl)amide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of pyrrolecarboxamide derivs. as mineralocorticoid receptor antagonists for use against cancer and other disorders)

RN 880775-19-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[1,1'-biphenyl]-2-yl-2,5-dimethyl-1-[2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

L20 ANSWER 3 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L20 ANSWER 4 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 30 Mar 2006
GI



AB The title compds. I [R = H, SAC,, Ar, etc.; SAC = (simple alkyl chain = C1 - C8 hydrocarbon); R1 = SAC, Ar, SAC-Ar, etc.; B = H, SAC, SAC-Ar, etc.; R2 = SAC, Ar, SAC-Ar, etc.; further details on R and R1 are given; X = COCH2OR11, COCH2V, etc.; R11 = SAC, Ar, SAC-Ar, etc.; V = F, Cl, Br, etc.], salts, esters, stereoisomers, etc., thereof are claimed. I are useful in the prevention and treatment of inflammation, apoptosis, etc. Thus, (3S)-3-[[(3-benzoyl-5-ethyl-4,5-dihydro-5-isoxazolyl)carbonyl]amino]-5-[(2,6-dichlorobenzoyl)oxy]-4-oxopentanoic acid was prepared in a multistep process starting from phenylglyoxal and hydroxylamine hydrochloride. The caspase-inhibiting activities of compds. of this invention were demonstrated.

ACCESSION NUMBER: 2006:295934 HCAPLUS
DOCUMENT NUMBER: 144:350690
TITLE: Preparation of dicarbonylaminoisoxazoline derivatives as caspase inhibitors
INVENTOR(S): Chang, Hye-Kyung; Oh, Yeong-Soo; Park, Cheol-Won; Jang, Yong-Jin; Kim, Sung-Sub; Kim, Min-Jung; Park, Mi-Jeong; Park, Jung-Gyu; Park, Tae-Kyo; Min, Kyeong-Sik; Lee, Tae-Soo; Lee, Sun-Hwa
PATENT ASSIGNEE(S): LG Life Sciences Ltd., S. Korea
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006033551	A1	20060330	WO 2005-KR3136	20050922

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

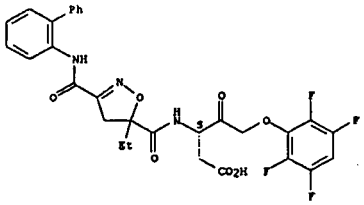
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: KR 2004-76788 A 20040924

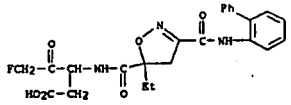
IT 881182-81-6P 881182-82-7P 881182-83-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of dicarbonylaminoisoxazoline derivs. as caspase inhibitors)

RN 881182-81-6 HCAPLUS
CN Pentanoic acid, 3-[[[3-[[(1,1'-biphenyl]-2-ylamino)carbonyl]-5-ethyl-4,5-dihydro-5-isoxazolyl]carbonyl]amino]-4-oxo-5-(2,3,5,6-tetrafluorophenoxy)-, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

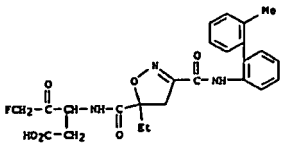


RN 881182-82-7 HCAPLUS
CN Pentanoic acid, 3-[[[3-[[(1,1'-biphenyl]-2-ylamino)carbonyl]-5-ethyl-4,5-dihydro-5-isoxazolyl]carbonyl]amino]-5-fluoro-4-oxo- (9CI) (CA INDEX NAME)

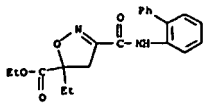


RN 881182-83-8 HCAPLUS
CN Pentanoic acid, 3-[[[5-ethyl-4,5-dihydro-3-[[(2'-methyl[1,1'-biphenyl]-2-yl)amino]carbonyl]-5-isoxazolyl]carbonyl]amino]-5-fluoro-4-oxo- (9CI) (CA INDEX NAME)

L20 ANSWER 4 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT 881183-06-8P 881183-07-9P 881183-08-0P
881183-09-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of dicarbonylaminoisoxazoline deriva. as caspase inhibitors)
RN 881183-06-8 HCAPLUS
CN 5-Isoxazolecarboxylic acid, 3-[[[1,1'-biphenyl]-2-ylamino)carbonyl]-5-ethyl-4,5-dihydro-, ethyl ester (9CI) (CA INDEX NAME)

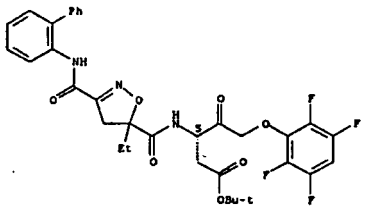


RN 881183-07-9 HCAPLUS
CN Pentanoic acid, 3-[[[3-[[[1,1'-biphenyl]-2-ylamino)carbonyl]-5-ethyl-4,5-dihydro-5-isoxazolyl]carbonyl]amino]-4-oxo-5-(2,3,5,6-tetrafluorophenoxy)-, 1,1-dimethylethyl ester, (3S)- (9CI) (CA INDEX NAME)

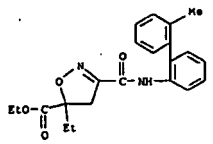
Absolute stereochemistry.

L20 ANSWER 4 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

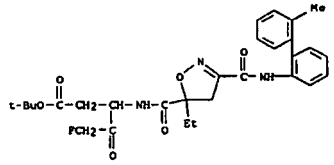
L20 ANSWER 4 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 881183-08-0 HCAPLUS
CN 5-Isoxazolecarboxylic acid, 5-ethyl-4,5-dihydro-3-[[[(2'-methyl[1,1'-biphenyl]-2-yl)amino]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 881183-09-1 HCAPLUS
CN Pentanoic acid, 3-[[[5-ethyl-4,5-dihydro-3-[[[(2'-methyl[1,1'-biphenyl]-2-yl)amino]carbonyl]-5-isoxazolyl]carbonyl]amino]-5-fluoro-4-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



L20 ANSWER 5 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 24 Mar 2006
AB Synergistic fungicidal comps. comprise spiroxamine, a known azole fungicide, such as prothioconazole, and a known carboxamide derivative fungicide.

ACCESSION NUMBER: 2006:273896 HCAPLUS
DOCUMENT NUMBER: 144:306857
TITLE: Synergistic fungicidal compositions comprising spiroxamine, an azole and a carboxamide derivative
INVENTOR(S): Dahmen, Peter; Wachendorff-Neumann, Ulrike; Dunkel, Ralf
PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany
SOURCE: Ger. Offen., 29 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004045242	A1	20060323	DE 2004-102004045242	20040917
WO 2006032356	A1	20060330	WO 2005-EP9503	20050903

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

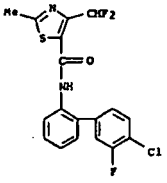
PRIORITY APPLN. INFO.: DE 2004-102004045242A 20040917
OTHER SOURCE(S): MARPAT 144:306857

IT 879882-98-1 879882-99-2 879883-00-8
879883-01-9 879883-02-0
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicide composition)
RN 879882-98-1 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

CM 1

CRN 577954-96-2
CMF C18 H12 Cl F3 N2 O S

L20 ANSWER 5 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 178928-70-6
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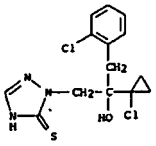
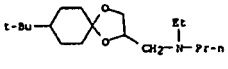


CM 3

CRN 118134-30-8
CMF C18 H35 N O2



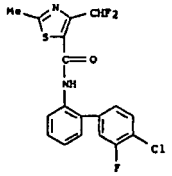
RN 879882-99-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with α-[2-(4-chlorophenyl)ethyl]-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

L20 ANSWER 5 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

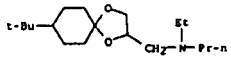
CM 1

CRN 577954-96-2
CMF C18 H12 C1 F3 N2 O S



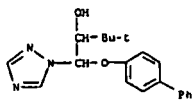
CM 2

CRN 118134-30-8
CMF C18 H35 N O2



CM 3

CRN 55179-31-2
CMF C20 H23 N3 O2

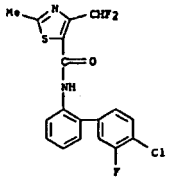


RN 879883-01-9 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with β-(4-chlorophenoxy)-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

L20 ANSWER 5 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

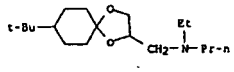
CM 1

CRN 577954-96-2
CMF C18 H12 C1 F3 N2.O S



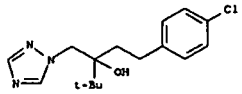
CM 2

CRN 118134-30-8
CMF C18 H35 N O2



CM 3

CRN 107534-96-3
CMF C16 H22 C1 N3 O

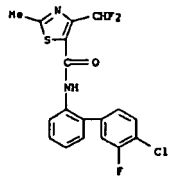


RN 879883-00-8 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with β-[[1,1'-biphenyl]-4-yloxy)-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and

L20 ANSWER 5 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 1

CRN 577954-96-2
CMF C18 H12 C1 F3 N2 O S



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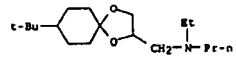
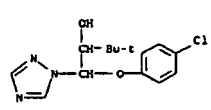


CM 3

CRN 55219-65-3
CMF C14 H18 C1 N3 O2

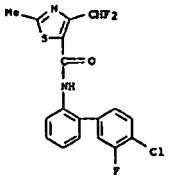


RN 879883-02-0 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with 3-(2,4-dichlorophenyl)-6-fluoro-2-(1H-1,2,4-triazol-1-yl)-4(3H)-quinazolinone and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

CM 1

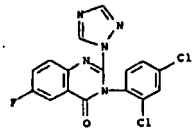
L20 ANSWER 5 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CRN 577954-96-2
CMF C18 H12 Cl F3 N2 O S



CM 2

CRN 136426-54-5
CMF C16 H8 Cl2 F N5 O



CM 3

CRN 110134-30-8
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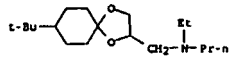
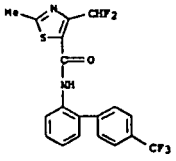
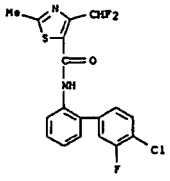


IT 577794-43-5D, mixts. with spiroxamine and azoles
577954-87-1D, mixts. with spiroxamine and azoles
577954-88-2D, mixts. with spiroxamine and azoles

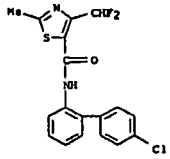
L20 ANSWER 5 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577954-96-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



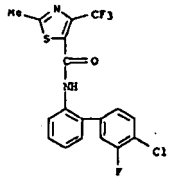
RN 577955-06-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



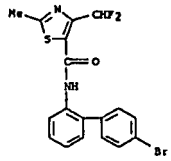
RN 879882-81-2 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-N-(4'-iodo[1,1'-biphenyl]-2-yl)-2-methyl- (9CI) (CA INDEX NAME)

L20 ANSWER 5 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
577954-96-2D, mixts. with spiroxamine and azoles
577955-06-7D, mixts. with spiroxamine and azoles
879882-81-2D, mixts. with spiroxamine and azoles
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicide compns.)

RN 577794-43-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

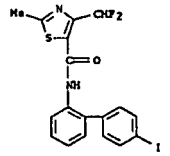


RN 577954-87-1 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

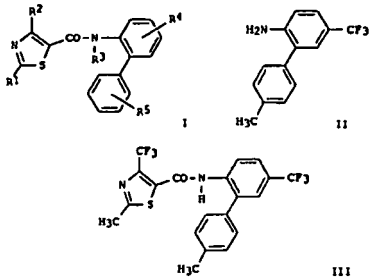


RN 577954-88-2 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-[4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)

L20 ANSWER 5 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L20 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 02 Mar 2006
GI



AB Title compds. I [R1 = H, halo, amino, etc.; R2 = halo, alkyl, haloalkyl, etc.; R3 = H, alkyl, alkylsulfinyl, etc.; R4 = (R4')m; R4' = halo, alkyl, alkoxy, etc.; m = 1-2; R5 = halo, CN, NO2, etc.] were prepared For example, coupling of aniline II and 2-methyl-4-trifluoromethylthiazole-5-carbonyl chloride afforded thiazolcarboxamide III in 66% yield. In podosphaera apple protection assays, compds. I at 100 g/ha exhibited 100% protection after 10-days.

ACCESSION NUMBER: 2006:190966 HCAPLUS
DOCUMENT NUMBER: 144:254121
TITLE: Preparation of biphenylthiazolcarboxamides as agrochemical fungicides
INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Greul, Joerg Nico; Hartmann, Benoit; Gayer, Herbert; Seitz, Thomas; Wachendorff-Neumann, Ulrike; Dahmen, Peter; Kuck, Karl-Heinz
PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany
SOURCE: Ger. Offen., 34 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

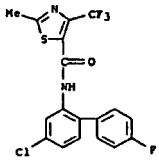
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004041532	A1	20060302	DE 2004-102004041532	20040827
WO 2006024389	A2	20060309	WO 2005-EP8839	20050813
WO 2006024389	A3	20060518		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

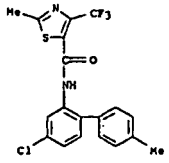
PRIORITY APPLN. INFO.: DE 2004-102004041532A 20040827
OTHER SOURCE(S): MARPAT 144:254121
IT 877176-27-7P 877176-28-8P 877176-29-9P
877176-30-2P 877176-31-3P 877176-32-4P
877176-33-5P 877176-34-6P 877176-35-7P
877176-36-8P 877176-37-9P 877176-38-0P
877176-39-1P 877176-40-4P 877176-41-5P
877176-42-6P 877176-43-7P 877176-44-8P
877176-45-9P 877176-46-0P 877176-47-1P
877176-48-2P 877176-49-3P 877176-50-6P
877176-51-7P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of biphenylthiazolcarboxamides as agrochem. fungicides)

RN 877176-27-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4-chloro-4'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

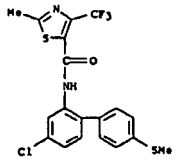


RN 877176-28-8 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4-chloro-4'-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

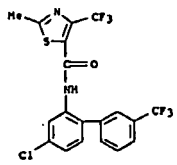
L20 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877176-29-9 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4-chloro-4'-(methylthio)[1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

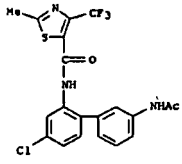


RN 877176-30-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4-chloro-3'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

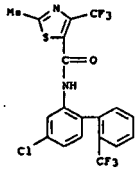


RN 877176-31-3 HCAPLUS
CN 5-Thiazolecarboxamide, N-[3'-(acetylamino)-4-chloro[1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

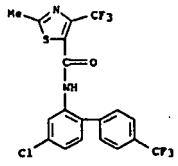
L20 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877176-32-4 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4-chloro-2'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

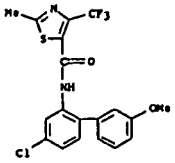


RN 877176-33-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4-chloro-4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

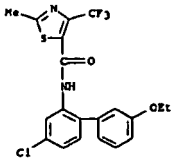


RN 877176-34-6 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4-chloro-3'-methoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

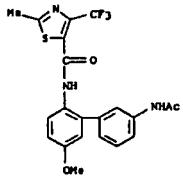
L20 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877176-35-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4-chloro-3'-ethoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

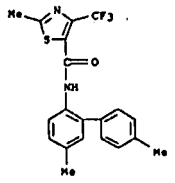


RN 877176-36-8 HCAPLUS
CN 5-Thiazolecarboxamide, N-[3'-(acetylamino)-5-methoxy[1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

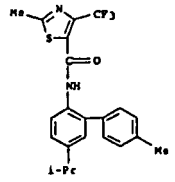


RN 877176-37-9 HCAPLUS
CN 5-Thiazolecarboxamide, N-(5-fluoro-4'-(trifluoromethoxy)[1,1'-biphenyl]-2-

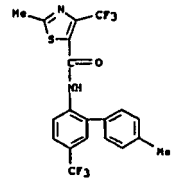
L20 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877176-40-4 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-methyl-5-(1-methylethyl)[1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

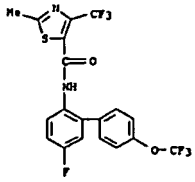


RN 877176-41-5 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-methyl-5-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

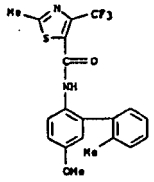


RN 877176-42-6 HCAPLUS
CN 5-Thiazolecarboxamide, N-(2',5-dimethoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-

L20 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

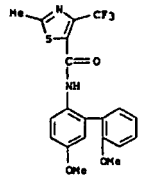


RN 877176-38-0 HCAPLUS
CN 5-Thiazolecarboxamide, N-(5-methoxy-2'-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

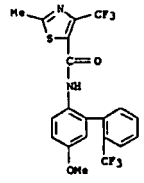


RN 877176-39-1 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4',5-dimethyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

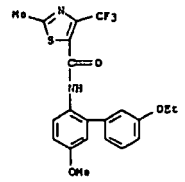
L20 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 877176-43-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(5-methoxy-2'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

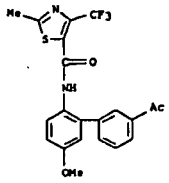


RN 877176-44-8 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3'-ethoxy-5-methoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 877176-45-9 HCAPLUS

L20 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN 5-Thiazolecarboxamide, N-(3'-acetyl-5-methoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 877176-46-0 HCAPLUS
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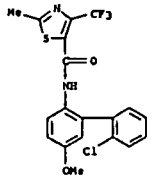
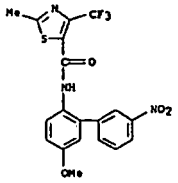
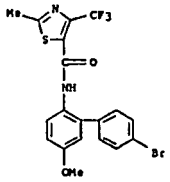


RN 877176-47-1 HCAPLUS
CN 5-Thiazolecarboxamide, N-(5-methoxy-3'-nitro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

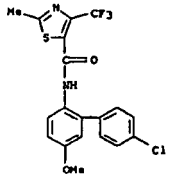
L20 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877176-48-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo-5-methoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

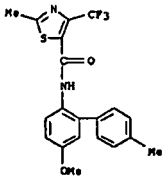


RN 877176-49-3 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-5-methoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

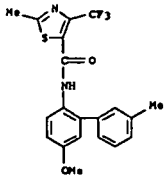


L20 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

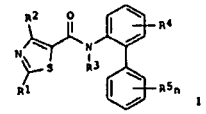
RN 877176-50-6 HCAPLUS
CN 5-Thiazolecarboxamide, N-(5-methoxy-4'-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 877176-51-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(5-methoxy-3'-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L20 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 02 Mar 2006
GI



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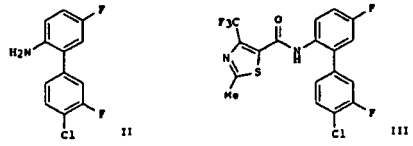


II III

AB Title compds. I [R1 = H, halo, amino, etc.; R2 = halo, alkyl, haloalkyl, etc.; R3 = H, alkyl, alkylsulfinyl, etc.; R4 = halo, alkyl, alkoxy, etc.; R5 = (R5')n; R5' = halo, CN, NO2, etc.; n = 2-5] were prepared For example, coupling of aniline II and 2-methyl-4-trifluoromethylthiazole-5-carboxylic acid afforded thiazolcarboxamide III in 73% yield. In podosphaera apple protection assays, 9-examples of compds. I at 100 g/ha exhibited 100% protection after 10-days.

ACCESSION NUMBER: 2006:190956 HCAPLUS
DOCUMENT NUMBER: 144:274263
TITLE: Preparation of biphenylthiazolcarboxamides as agrochemical fungicides
INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Greul, Joerg Nico; Hartmann, Benoit; Gayer, Herbert; Seitz, Thomas; Wachendorff-Neumann, Ulrike; Dahmen, Peter; Kuck, Karl-Heinz
PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany
SOURCE: Ger. Offen., 51 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004041530	A1	20060302	DE 2004-102004041530	20040827
WO 2006024387	A2	20060309	WO 2005-EP8837	20050813
WO 2006024387	A3	20060511		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,

L20 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: DE 2004-102004041530A 20040827

OTHER SOURCE(S): MARPAT 144:274263

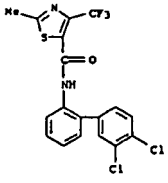
IT 577794-44-6P 877168-81-5P 877168-82-6P
877168-83-7P 877168-84-8P 877168-85-9P
877168-86-0P 877168-87-1P 877168-88-2P
877168-89-3P 877168-90-6P 877168-91-7P
877168-92-8P 877168-93-9P 877168-94-0P
877168-95-1P 877168-96-2P 877168-97-3P
877168-98-4P 877168-99-5P 877169-00-1P
877169-01-2P 877169-02-3P 877169-03-4P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of biphenylthiazolcarboxamides as agrochem. fungicides)

RN 577794-44-6 HCAPLUS

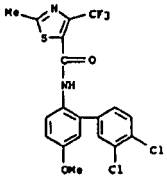
CN 5-Thiazolecarboxamide, N-(3',4'-dichloro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 877168-81-5 HCAPLUS

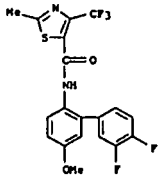
CN 5-Thiazolecarboxamide, N-(5-chloro-2-(2-naphthalenyl)phenyl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



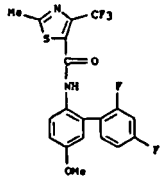
RN 877168-85-9 HCAPLUS

CN 5-Thiazolecarboxamide, N-(3',4'-difluoro-5-methoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 877168-86-0 HCAPLUS

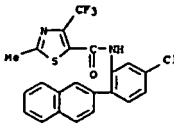
CN 5-Thiazolecarboxamide, N-(2',4'-difluoro-5-methoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 877168-87-1 HCAPLUS

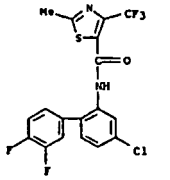
CN 5-Thiazolecarboxamide, N-(2',5'-dichloro-5-methoxy[1,1'-biphenyl]-2-yl)-2-

L20 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



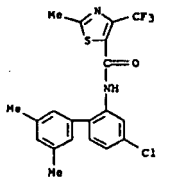
RN 877168-82-6 HCAPLUS

CN 5-Thiazolecarboxamide, N-(4-chloro-3',4'-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 877168-83-7 HCAPLUS

CN 5-Thiazolecarboxamide, N-(4-chloro-3',5'-dimethyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

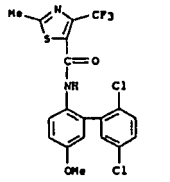


RN 877168-84-8 HCAPLUS

CN 5-Thiazolecarboxamide, N-(3',4'-dichloro-5-methoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

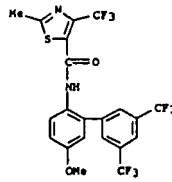
L20 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



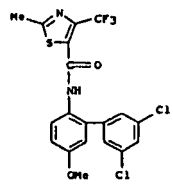
RN 877168-88-2 HCAPLUS

CN 5-Thiazolecarboxamide, N-(5-methoxy-3',5'-bis(trifluoromethyl)[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



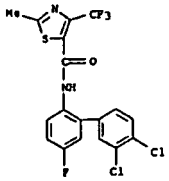
RN 877168-89-3 HCAPLUS

CN 5-Thiazolecarboxamide, N-(3',5'-dichloro-5-methoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

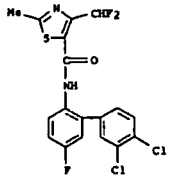


L20 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 877168-90-6 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

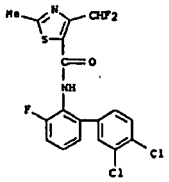


RN 877168-91-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

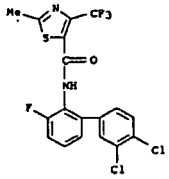


RN 877168-92-8 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3',4'-dichloro-3-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

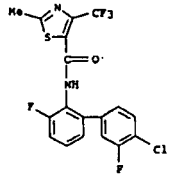
L20 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877168-93-9 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3',4'-dichloro-3-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

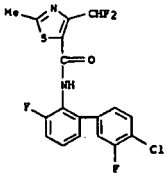


RN 877168-94-0 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3,3'-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

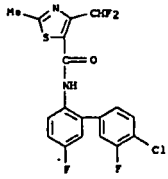


L20 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 877168-95-1 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3,3'-difluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

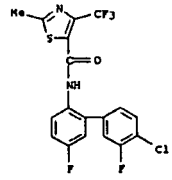


RN 877168-96-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3',5-difluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

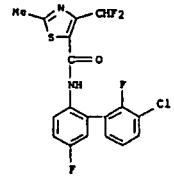


RN 877168-97-3 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3',5-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

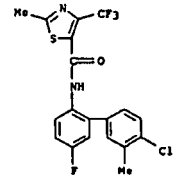
L20 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877168-98-4 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3'-chloro-2',5-difluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

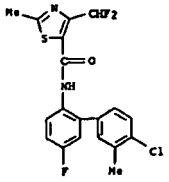


RN 877168-99-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-5-fluoro-3'-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

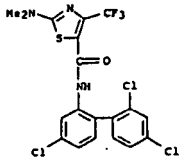


RN 877169-00-1 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-5-fluoro-3'-methyl[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

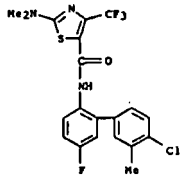
L20 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877169-01-2 HCAPLUS
CN 5-Thiazolecarboxamide, 2-(dimethylamino)-N-(2',4,4'-trichloro[1,1'-biphenyl]-2-yl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

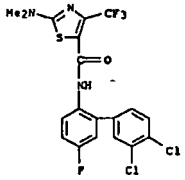


RN 877169-02-3 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-5-fluoro-3'-methyl[1,1'-biphenyl]-2-yl)-2-(dimethylamino)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

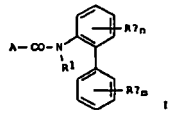


L20 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 877169-03-4 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-2-(dimethylamino)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L20 ANSWER 8 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 25 Nov 2005
GI



AB The title fungicide mixts. contain 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and a biphenyl amide I [A = (un)substituted oxathiin or 5-membered heteroaryl; R1 = H, alkyl, alkylcarbonyl or a carbonyl bonded group A; Ra, Rb = halo, cyano, alkyl, halogenalkyl, alkoxycarbonyl, alkoxy, halogenalkoxy, alkylthio, alkylcarbonyl, formyl or, alkylene- or alkenylene which connects two adjacent carbon atoms; m = 0, 1, 2, 3, 4 or 5, n = 0, 1 or 2].

ACCESSION NUMBER: 2005:1242397 HCAPLUS
DOCUMENT NUMBER: 143:473904
TITLE: Synergistic fungicide mixtures comprising a triazolopyrimidine and biphenyl amide derivatives
INVENTOR(S): Torno i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Gewehr, Markus
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005110089	A2	20051124	WO 2005-EP5069	20050511
WO 2005110089	A3	20060216		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

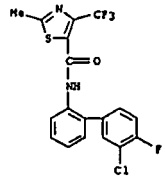
PRIORITY APPLN. INFO.: DE 2004-102004024203A 20040513
OTHER SOURCE(S): MARPAT 143:473904
IT 869731-28-2 869731-29-3 869731-30-6
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

L20 ANSWER 8 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(synergistic fungicide mixt.)

RN 869731-28-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3'-chloro-4'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

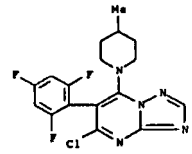
CM 1

CRN 577794-35-5
CMF C18 H11 Cl F4 N2 O S



CM 2

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

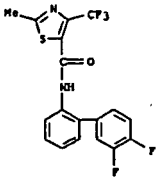


RN 869731-29-3 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3',4'-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

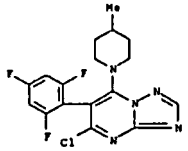
CRN 577794-39-9
CMF C18 H11 F5 N2 O S

L20 ANSWER 8 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

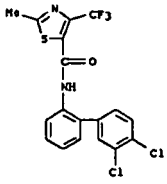


RN 869731-30-6 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3',4'-dichloro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

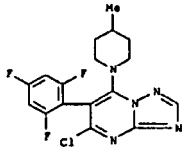
CRN 577794-44-6
CMF C18 H11 C12 F3 N2 O S

L20 ANSWER 8 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L20 ANSWER 9 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 16 Sep 2005
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [R1, R2 = independently OH and F-substituted/cyclo/alkoxy, 2,2-difluoroethoxy, etc.; R1-R2 = alkylenedioxy; R3, R31 = independently H, alkyl; R4 = H, alkyl, OR41; R5 = OR51; R41, R51 = independently H, alkoxy/hydroxy/F-substituted/alkyl, alkylcarbonyl; Har = (un)substituted 5-10 membered monocyclyl or fused bicyclyl unsatd. or partially saturated heteroaryl comprising 1-4 heterostoms selected from O, N, S; their salts, N-oxides, and salts of N-oxides] were prepared as effective PDE4 inhibitors for treating respiratory diseases. Thus, coupling of 2,6-dimethoxynicotinic acid with amine (1RS,3RS,4RS)-II (general preparation given, no data for its intermediates), cyclization, and saponification gave phenanthridine (1RS,3RS,4RS)-III. Selected I inhibited PDE4 with -log IC50 values in the range of 6.91 to 9.4 mol/l.

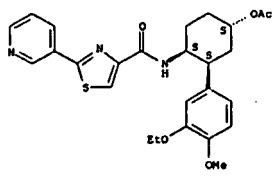
ACCESSION NUMBER: 2005:1004730 HCAPLUS
DOCUMENT NUMBER: 143:306200
TITLE: Preparation of hydroxy-6-heteroarylphenanthridines as PDE4 inhibitors
INVENTOR(S): Schmidt, Beate; Flockerzi, Dieter; Hatzelmann, Armin; Zitt, Christof; Barsig, Johannes; Marx, Degenhard; Kley, Hans-Peter; Kautz, Ulrich
PATENT ASSIGNEE(S): Altana Pharma A.-G., Germany
SOURCE: PCT Int. Appl., 176 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005085225	A1	20050915	WO 2005-EP50931	20050302
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			EP 2004-4973	A 20040303
			EP 2004-106359	A 20041207

OTHER SOURCE(S): MARPAT 143:306200
IT 864741-06-0P 864741-07-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of hydroxy-6-heteroarylphenanthridines as PDE4 inhibitors)
RN 864741-06-0 HCAPLUS

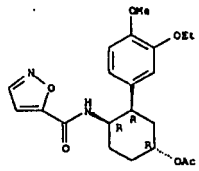
L20 ANSWER 9 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN 4-Thiazolecarboxamide, N-[(1R,2R,4R)-4-(acetyloxy)-2-(3-ethoxy-4-methoxyphenyl)cyclohexyl]-2-(3-pyridinyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



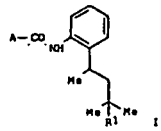
RN 864741-07-1 HCAPLUS
CN 5-Isoxazolecarboxamide, N-[(1R,2R,4R)-4-(acetyloxy)-2-(3-ethoxy-4-methoxyphenyl)cyclohexyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 10 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 12 May 2005
GI



AB Synergistic fungicidal combinations comprise a carboxamide derivative I [R1 = H, halo or (halo)alkyl; R1 = (un)substituted Ph, furyl, pyridinyl, etc.] and any of a very large number of known fungicides.

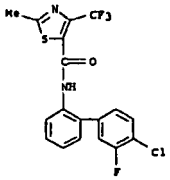
ACCESSION NUMBER: 2005:405320 HCAPLUS
DOCUMENT NUMBER: 142:425351
TITLE: Synergistic fungicidal combinations comprising a carboxamide derivative
INVENTOR(S): Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Suty-Heinze, Anne
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 126 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005041653	A2	20050512	WO 2004-EP11403	20041012
WO 2005041653	A3	20050728		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10349501	A1	20050525	DE 2003-10349501	20031023
AU 2004285267	A1	20050512	AU 2004-285267	20041012

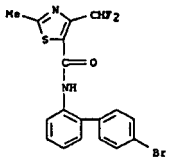
L20 ANSWER 10 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CA 2543053	AA	20050512	CA 2004-2543053	20041012
EP 1677598	A2	20060712	EP 2004-790298	20041012
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR			
PRIORITY APPLN. INFO.:			DE 2003-10349501	A 20031023
			WO 2004-EP11403	W 20041012

OTHER SOURCE(S): MARPAT 142:425351
IT 577794-43-5D, mixture with carboxamide derivative 577954-87-1D, mixture with carboxamide derivative 577954-88-2D, mixture with carboxamide derivative 577955-06-7D, mixture with carboxamide derivative
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal composition)
RN 577794-43-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

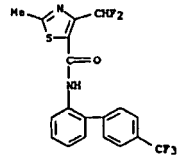


RN 577954-87-1 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

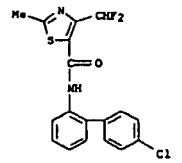


RN 577954-88-2 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-(4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)

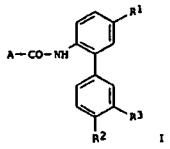
L20 ANSWER 10 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577955-06-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



L20 ANSWER 11 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 22 Apr 2005
GI



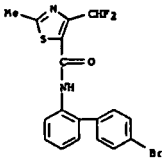
AB Synergistic fungicidal mixts. comprise a carboxamide derivative I [R1= H or F; R2 = halo, (halo)alkyl or (halo)alkoxy; , R3 = H, halo or (halo)alkyl; A = (un)substituted Ph, imidazolyl, thiazolyl, etc.] and any of 22 groups of known fungicides.

ACCESSION NUMBER: 2005:346774 HCAPLUS
DOCUMENT NUMBER: 142:387616
TITLE: Synergistic fungicidal combinations comprising carboxamide derivatives
INVENTOR(S): Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe, Hans-Ludwig; Suty-Heinze, Anne; Rieck, Heiko
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 141 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

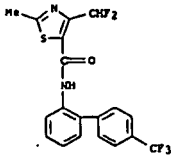
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005034628	A1	20050421	WO 2004-EP10830	20040928
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10347090	A1	20050504	DE 2003-10347090	20031010
AU 2004279674	A1	20050421	AU 2004-279674	20040928
CA 2541646	AA	20050421	CA 2004-2541646	20040928
EP 1675461	A1	20060705	EP 2004-765648	20040928
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,			

L20 ANSWER 11 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK
PRIORITY APPLN. INFO.: DE 2003-10347090 A 20031010
WO 2004-EP10830 W 20040928

OTHER SOURCE(S): MARPAT 142:387616
IT 577954-87-1D, mixts. with fungicides 577954-88-2D, mixts. with fungicides 577954-96-2D, mixts. with fungicides 849674-33-5 849674-35-7 849674-38-0 849674-62-0 849674-69-7
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal combination)
RN 577954-87-1 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

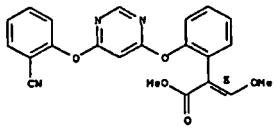


RN 577954-88-2 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-[4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)



RN 577954-96-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

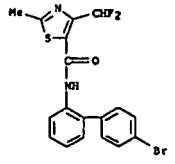
L20 ANSWER 11 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 849674-35-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with (1E)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime (9CI) (CA INDEX NAME)

CM 1

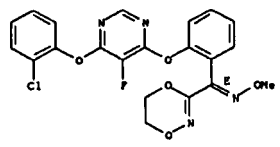
CRN 577954-87-1
CMF C18 H13 Br F2 N2 O S



CM 2

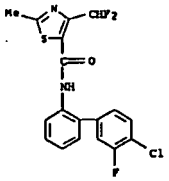
CRN 361377-29-9
CMF C21 H16 Cl F N4 O5

Double bond geometry as shown.



RN 849674-38-0 HCAPLUS

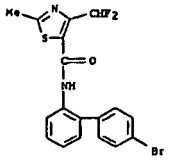
L20 ANSWER 11 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 849674-33-5 HCAPLUS
CN Benzeneacetic acid, 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]-α-(methoxymethylene)-, methyl ester, (αE)-, mixt. with N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-5-thiazolecarboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 577954-87-1
CMF C18 H13 Br F2 N2 O S



CM 2

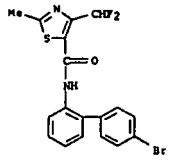
CRN 131860-33-8
CMF C22 H17 N3 O5

Double bond geometry as shown.

L20 ANSWER 11 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN Benzeneacetic acid, α-(methoxyimino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, (αE)-, mixt. with N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-5-thiazolecarboxamide (9CI) (CA INDEX NAME)

CM 1

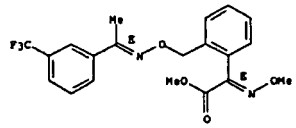
CRN 577954-87-1
CMF C18 H13 Br F2 N2 O S



CM 2

CRN 141517-21-7
CMF C20 H19 F3 N2 O4

Double bond geometry as shown.

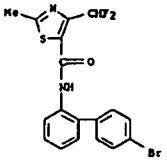


RN 849674-62-0 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

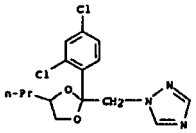
CRN 577954-87-1
CMF C18 H13 Br F2 N2 O S

L20 ANSWER 11 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CN 2

CRN 60207-90-1
CMF C15 H17 Cl2 N3 O2

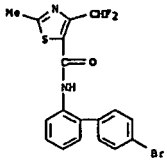


RN 849674-69-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with (αE)-2-[[6-(3-chloro-2-methylphenoxy)-5-fluoro-4-pyrimidinyl]oxy]-α-(methoxyimino)-N-methylbenzeneacetamide (9CI) (CA INDEX NAME)

CN 1

CRN 577954-87-1
CMF C18 H13 Br F2 N2 O S

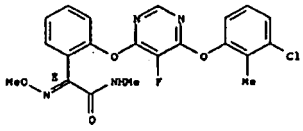
L20 ANSWER 11 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CN 2

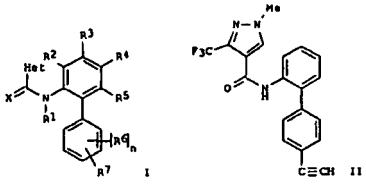
CRN 308286-29-5
CMF C21 H18 Cl F N4 O4

Double bond geometry as shown.



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 15 Jul 2004
GI



AB The title compds. [I; Het = (un)substituted 5-6 membered heterocyclic ring; R1 = H, CHO, CO(alkyl), CO2(alkyl), alkoxyalkylene, CO(alkylenoxy)alkyl, propargyl, allenyl; R2-R5 = H, halo, Me, CF3; R6 = halo, Me, CF3; R7 = (Z)=C.cpdbond.CY1. (Z)=CY1:CY2Y3, trialkylsilyl; X = O, S; Y1-Y3 = H, halo, (un)substituted alkyl alkenyl, alkynyl, cycloalkyl, trialkylsilyl; Z = (un)substituted alkylene; m = 0-1; n = 0-2], useful in agriculture or horticulture for controlling or preventing infestation of plants by phytopathogenic microorganisms, preferably fungi, were prepared Thus, reacting 2-amino-4'-ethynylbiphenyl with 1-methyl-3-trifluoromethyl-4-chlorocarbonylpyrazole in the presence of pyridine in THF afforded 70% II which showed excellent fungicidal activity (biol. data given).

ACCESSION NUMBER: 2004:565219 HCAPLUS
DOCUMENT NUMBER: 141:123619
TITLE: Preparation of biphenyl derivatives and their use as fungicides
INVENTOR(S): Ehrenfreund, Josef; Lamberth, Clemens; Tobler, Hans; Walter, Harald
PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.
SOURCE: PCT Int. Appl., 102 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058723	A1	20040715	WO 2003-EP14248	20031215

L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

PI WO 2004058723 A1 20040715 WO 2003-EP14248 20031215
RW: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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EP 1575922 A1 20050921 EP 2003-813891 20031215
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BR 2003016879 A 20051025 BR 2003-16879 20031215
CN 1732156 A 20060208 CN 2003-80107519 20031215
JP 2006516136 T2 20060622 JP 2004-562754 20031215
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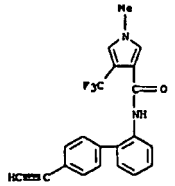
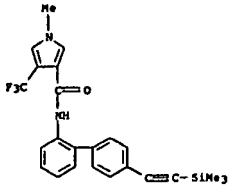
NO 2005003558 A 20050725 NO 2005-3558 20050720
PRIORITY APPLN. INFO.: GB 2002-30155 A 20021224
WO 2003-EP14248 W 20031215

OTHER SOURCE(S): MARPAT 141:123619
IT 723747-89-5P 723747-91-9P 723747-93-1P
723747-94-2P 723747-96-4P 723747-98-6P
723748-00-3P 723748-02-5P 723748-04-7P
723748-06-9P 723748-08-1P 723748-10-5P
723748-12-7P 723748-14-9P 723748-16-1P
723748-18-3P 723748-20-7P 723748-22-9P
723748-24-1P 723748-26-3P 723748-28-5P
723748-30-9P 723748-32-1P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of biphenyl derivs. and their use as fungicides)
RN 723747-89-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-ethynyl[1,1'-biphenyl]-2-yl)-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

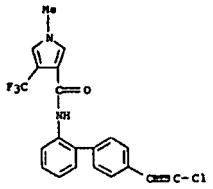


RN 723747-91-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-4-(trifluoromethyl)-N-[4'-[(trimethylsilyl)ethynyl][1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)

L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 723747-93-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-(chloroethynyl)[1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 723747-94-2 HCAPLUS
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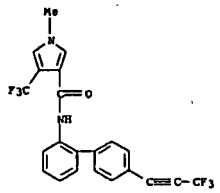
L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



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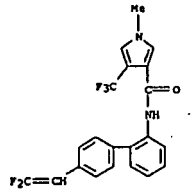
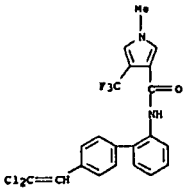
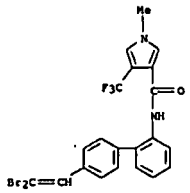


RN 723747-98-6 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-(2,2-dichloroethenyl)[1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

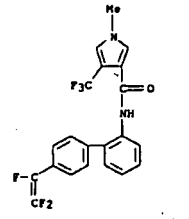


RN 723748-00-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-(2,2-dibromoethenyl)[1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 723748-02-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[4'-(trifluoroethenyl)[1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



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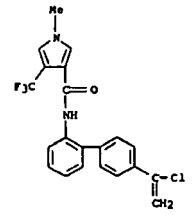
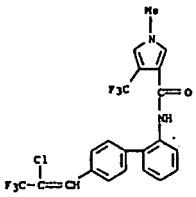
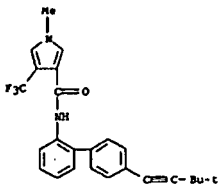


RN 723748-06-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-(2-chloro-3,3,3-trifluoro-1-propenyl)[1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 723748-08-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-(3,3-dimethyl-1-butynyl)[1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



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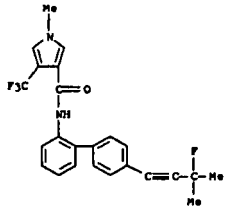
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[4'-(1-propynyl)[1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



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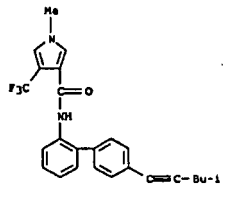

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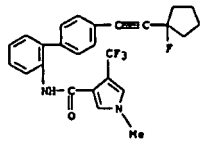
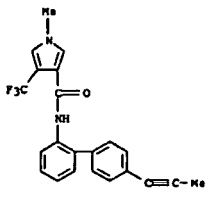
CN 1H-Pyrrole-3-carboxamide, N-[4'-[(1-fluorocyclopentyl)ethynyl][1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

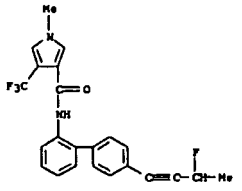


RN 723748-20-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-(3-methoxy-3-methyl-1-butynyl)[1,1'-

L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 723748-12-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-(3-fluoro-1-butynyl)[1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



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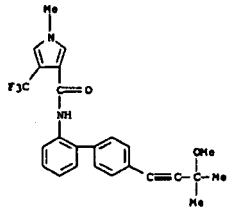
CN 1H-Pyrrole-3-carboxamide, N-[4'-(3-fluoro-3-methyl-1-butynyl)[1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 723748-22-9 HCAPLUS
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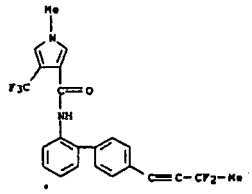

RN 723748-24-1 HCAPLUS
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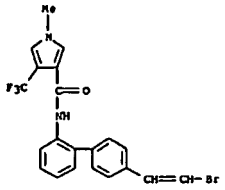
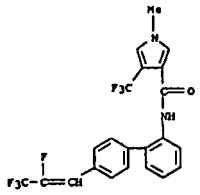
L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 723748-26-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[4'-(2,3,3,3-tetrafluoro-1-propenyl)[1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



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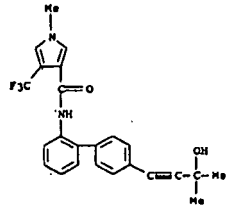
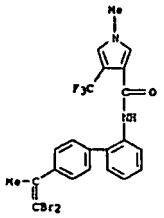
CN 1H-Pyrrole-3-carboxamide, N-[4'-(2,2-dibromo-1-methylethenyl)[1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

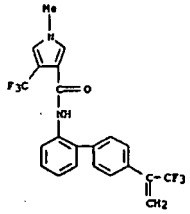
L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

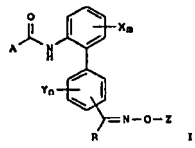


RN 723748-30-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-4-(trifluoromethyl)-N-[4'-(1-(trifluoromethyl)ethenyl)[1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)



RN 723748-32-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-(3-hydroxy-3-methyl-1-butynyl)[1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 13 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 24 Jun 2004
GI



AB Title compds. [I; R = H, alkyl, haloalkyl; Z = alkenyl, alkynyl, haloalkenyl, haloalkynyl; X, Y = halo, cyano, NO2, alkyl, alkoxy, alkylthio, haloalkyl, haloalkoxy, haloalkylthio; m, n = 0-4; A = 5-6 membered substituted heterocyclyl], were prepared Thus, 2'-amino-1,1'-biphenyl-4-carbaldehyde O-allyloxime (preparation given) and Et3N was treated with 4-difluoromethyl-2-methylthiazole-5-carbonyl chloride in PhMe at room temperature followed by stirring for 3 h at 50° to give 49.6% N-(4'-((E)-[(allyloxy)imino]methyl]-1,1'-biphenyl-2-yl)-4-(difluoromethyl)-2-methyl-1,3-thiazole-5-carboxamide. The latter at 100 ppm gave 100% control of Venturia inaequalis.

ACCESSION NUMBER: 2004:509994 HCAPLUS
DOCUMENT NUMBER: 141:54333
TITLE: Preparation of biphenylcarboxamides as agricultural fungicides and insecticides
INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Greul, Joerg Nico; Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid; Dahmen, Peter; Kuck, Karl-Heinz; Loesel, Peter
PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany
SOURCE: Ger. Offen., 70 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10258314	A1	20040624	DE 2002-10258314	20021213
WO 2004054982	A1	20040701	WO 2003-EP13498	20031201
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,			

L20 ANSWER 13 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

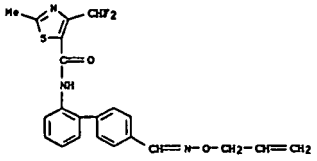
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003298156	A1	20040709	AU 2003-298156		20031201
EP 1572663	A1	20050914	EP 2003-795860		20031201
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
BR 2003017290	A	20051108	BR 2003-17290		20031201
CN 1745067	A	20060308	CN 2003-80109571		20031201
JP 2006515841	T2	20060608	JP 2004-559734		20031201
PRIORITY APPLN. INFO.:			DE 2002-10258314	A	20021213
			WO 2003-EP13498	W	20031201

OTHER SOURCE(S): MARPAT 141:54333

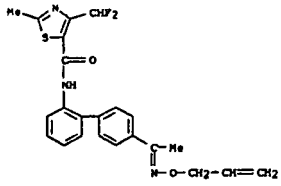
IT 705942-96-7P 705943-68-6P 705943-84-6P
705944-01-0P 705944-30-5P 705944-39-4P
705944-56-5P 705944-72-5P 705944-74-7P
705944-79-2P 705944-89-4P 705945-01-3P
705945-06-8P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of biphenylcarboxamides as agricultural fungicides and insecticides)

RN 705942-96-7 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-[4'-[[(2-propenyloxy)imino]methyl][1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)

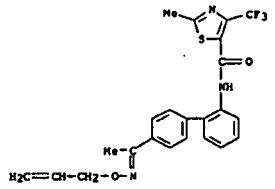


RN 705943-68-6 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[[(cyclopropylmethoxy)imino]methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

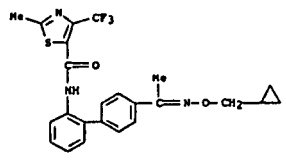
L20 ANSWER 13 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 705944-39-4 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[1-[(2-propenyloxy)imino]ethyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

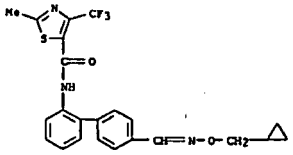


RN 705944-56-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[1-[(cyclopropylmethoxy)imino]ethyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

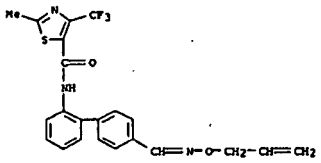


RN 705944-72-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-[1-[(cyclopropylmethoxy)imino]ethyl][1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

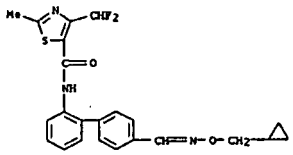
L20 ANSWER 13 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 705943-84-6 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[[(2-propenyloxy)imino]methyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

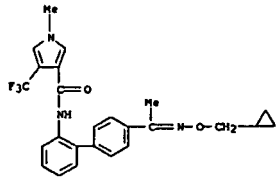


RN 705944-01-0 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[[(cyclopropylmethoxy)imino]methyl][1,1'-biphenyl]-2-yl]-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

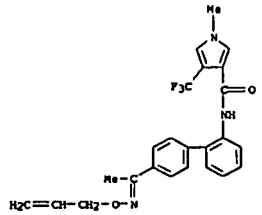


RN 705944-30-5 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-[4'-[1-[(2-propenyloxy)imino]ethyl][1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)

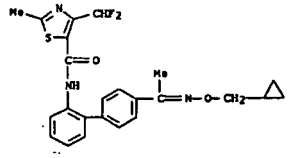
L20 ANSWER 13 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 705944-74-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[4'-[1-[(2-propenyloxy)imino]ethyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

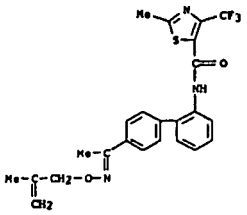


RN 705944-79-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[1-[(cyclopropylmethoxy)imino]ethyl][1,1'-biphenyl]-2-yl]-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

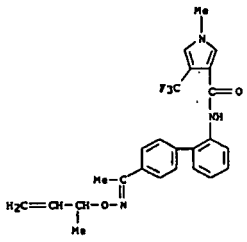


L20 ANSWER 13 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 705944-89-4 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[1-[[(2-methyl-2-propenyl)oxy]imino]ethyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

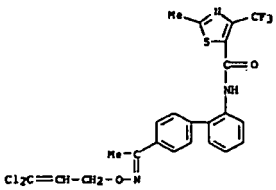


RN 705945-01-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[4'-[1-[[(1-methyl-2-propenyl)oxy]imino]ethyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

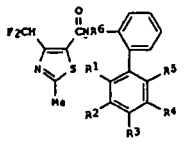


RN 705945-06-8 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[1-[[(3,3-dichloro-2-propenyl)oxy]imino]ethyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 13 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L20 ANSWER 14 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 22 Apr 2004
GI



AB Title compds. [I; R1-R5 = H, halo, cyano, NO2, alkyl, alkenyl, alkoxy, alkylthio, etc.; or R1R2, R2R3 = (substituted) alkenylene; R6 = alkyl, alkylsulfinyl, alkylsulfonyl, alkoxyalkyl, cycloalkyl, etc.], were prepared Thus, N-(4'-bromo-1,1'-biphenyl-2-yl)-4-(difluoromethyl)-2-methyl-1,3-thiazole-5-carboxamide (preparation given) in THF was treated with NaH. The reaction mixture was treated with acetyl chloride after 15 min at room temperature
followed by stirring for 5 h at 50° to give 95% N-acetyl-N-(4'-bromo-1,1'-biphenyl-2-yl)-4-(difluoromethyl)-2-methyl-1,3-thiazole-5-carboxamide. The latter at 100 ppm gave 100% control of Sphaerotheca fuliginea.

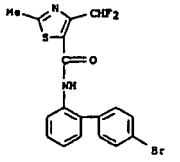
ACCESSION NUMBER: 2004:328832 HCAPLUS
DOCUMENT NUMBER: 140:321348
TITLE: Preparation of N-1,1'-biphenyl-2-yl-1,3-thiazole-5-carboxamides as agricultural fungicides
INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Wachendorff-Neumann, Ulrike; Kuck, Karl-Heinrich
PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany
SOURCE: Ger. Offen., 26 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10246959	A1	20040422	DE 2002-10246959	20021009
CA 2501383	AA	20040429	CA 2003-2501383	20030926
WO 2004035555	A1	20040429	WO 2003-EP10750	20030926
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

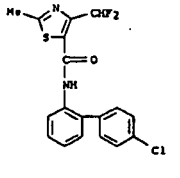
L20 ANSWER 14 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AU 2003287951	A1	20040504	AU 2003-287951	20030926
EP 1551816	A1	20050713	EP 2003-779794	20030926
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003015153	A	20050816	BR 2003-15153	20030926
CN 1688558	A	20051026	CN 2003-823976	20030926
JP 2006506364	T2	20060223	JP 2004-544047	20030926
US 2006128769	A1	20060615	US 2005-530513	20050822
PRIORITY APPLN. INFO.:			DE 2002-10246959 A	20021009
			WO 2003-EP10750 W	20030926

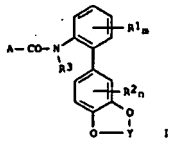
OTHER SOURCE(S): MARPAT 140:321348
IT 577954-87-1P 577955-06-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of biphenylthiazolecarboxamides as agricultural fungicides)
RN 577954-87-1 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl]-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 577955-06-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



L20 ANSWER 15 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 14 Nov 2003
GI



AB The biphenylcarboxamide deriva. I [R1, R2 = H, halo, CN, NO2, (halo)alkyl, (halo)alkoxy, etc.; m = 1-4; n= 1-3; R3 = H, OH, (halo)alkyl, cycloalkyl, etc.; Y = CO or (un)substituted alkylene; A = (un)substituted heterocyclyl] are prepared as agrochem. fungicides and bactericides.

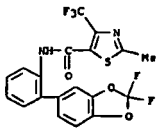
ACCESSION NUMBER: 2003:891913 HCAPLUS
DOCUMENT NUMBER: 139:360405
TITLE: Preparation of biphenylcarboxamide derivatives as agrochemical fungicides and bactericides
INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Markert, Robert; Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid; Kuck, Karl-Heinz; Kugler, Martin; Jaetsch, Thomas
PATENT ASSIGNEE(S): Bayer CropScience AG, Germany
SOURCE: Ger. Offen., 62 pp.
CODEN: GVXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10219035	A1	20031113	DE 2002-10219035	20020429
WO 2003093223	A1	20031113	WO 2003-EP3964	20030416
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003227635	A1	20031117	AU 2003-227635	20030416
EP 1501786	A1	20050202	EP 2003-725044	20030416

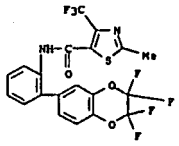
L20 ANSWER 15 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

BR 2003009830	A	20050301	BR 2003-9830	20030416
JP 2005523934	T2	20050811	JP 2004-501363	20030416
US 2005272785	A1	20051208	US 2005-512706	20050513
PRIORITY APPLN. INFO.:			DE 2002-10219035	A 20020429
			WO 2003-EP3964	W 20030416

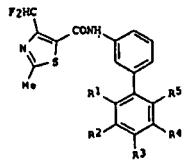
OTHER SOURCE(S): MARPAT 139:360405
IT 622383-49-7P 622383-59-9P
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation as agrochem. fungicide and bactericide)
RN 622383-49-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-[2-(2,2-difluoro-1,3-benzodioxol-5-yl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 622383-59-9 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[2-(2,2,3,3-tetrafluoro-2,3-dihydro-1,4-benzodioxin-6-yl)phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L20 ANSWER 16 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 15 Aug 2003
GI



AB Title compds. [I; R1-R5 = H, halo, cyano, NO2, alkyl alkenyl, (halo)alkoxy, (halo)alkylthio, (halo)alkylsulfonyl, cycloalkyl, haloalkyl; whereby R1-R5 can not be H simultaneously; or R1R2, R2R3 = (substituted) alkenylene], were prepared Thus, 3'-chloro-4'-fluoro-1,1'-biphenyl-2-amine (preparation given) and 2-methyl-4-(difluoromethyl)-1,3-thiazole-5-carbonyl chloride in THF was treated with Et3N followed by stirring for 16 h at 60° to give 84% N-(3'-chloro-4'-fluoro-1,1'-biphenyl-2-yl)-2-methyl-4-(difluoromethyl)-1,3-thiazole-5-carboxamide. Several I at 10 ppm gave 87-100% control of Venturia inaequalis.

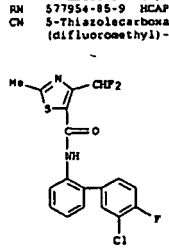
ACCESSION NUMBER: 2003:633681 HCAPLUS
DOCUMENT NUMBER: 139:180056
TITLE: Preparation of (difluoromethylthiazolyl)carboxanilides as agricultural microbicides
INVENTOR(S): Elbe, Hans-Ludwig; Rieck, Heiko; Dunkel, Ralf; Wachendorff-Neumann, Ulrike; Kuck, Karl-Heinz; Mauler-Machnik, Astrid; Kugler, Martin; Jaetsch, Thomas; Wachtler, Peter
PATENT ASSIGNEE(S): Bayer CropScience AG, Germany
SOURCE: PCT Int. Appl., 59 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003066610	A1	20030814	WO 2003-EP589	20030122
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

L20 ANSWER 16 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

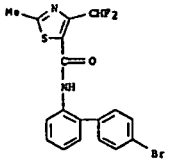
DE 10204391	A1	20030814	DE 2002-10204391	20020204
CA 2474902	AA	20030814	CA 2003-2474902	20030122
AU 2003244431	A1	20030902	AU 2003-244431	20030122
EP 1474407	A1	20041110	EP 2003-737263	20030122
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003007432	A	20041228	BR 2003-7432	20030122
US 2005124815	A1	20050609	US 2003-502994	20030122
CN 1646506	A	20050727	CN 2003-807680	20030122
JP 2005526027	T2	20050902	JP 2003-565984	20030122
ZA 2004006146	A	20050802	ZA 2004-6146	20040802
PRIORITY APPLN. INFO.:			DE 2002-10204391	A 20020204
			WO 2003-EP589	W 20030122

OTHER SOURCE(S): MARPAT 139:180056
IT 577954-85-9P 577954-87-1P 577954-88-2P
577954-89-3P 577954-90-6P 577954-91-7P
577954-92-8P 577954-93-9P 577954-94-0P
577954-95-1P 577954-96-2P 577954-97-3P
577954-98-4P 577954-99-5P 577955-00-1P
577955-01-2P 577955-02-3P 577955-03-4P
577955-04-5P 577955-05-6P 577955-06-7P
577955-07-8P 577955-08-9P 577955-09-0P
577955-10-3P 577955-11-4P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of (difluoromethylthiazolyl)carboxanilides as agricultural microbicides)
RN 577954-85-9 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3'-chloro-4'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

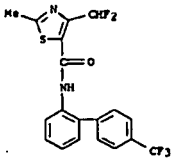


RN 577954-87-1 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

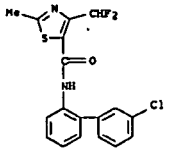
L20 ANSWER 16 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577954-88-2 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-[4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)

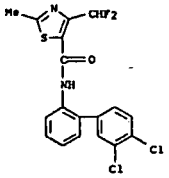


RN 577954-89-3 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3'-chloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

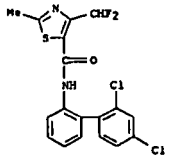


RN 577954-90-6 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-[4'-(trifluoromethoxy)[1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)

L20 ANSWER 16 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN 5-Thiazolecarboxamide, N-(3',4'-dichloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 577954-94-0 HCAPLUS
CN 5-Thiazolecarboxamide, N-(2',4'-dichloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 577954-95-1 HCAPLUS
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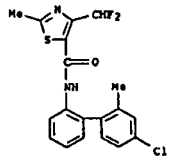
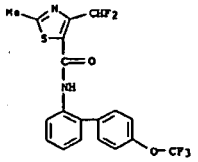
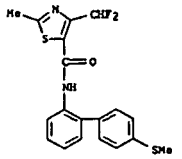


RN 577954-96-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-

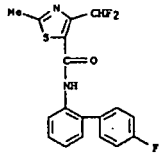
L20 ANSWER 16 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577954-91-7 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-[4'-(methylthio)[1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)

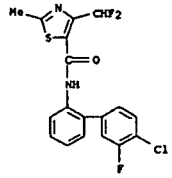


RN 577954-92-8 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-N-(4'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl- (9CI) (CA INDEX NAME)

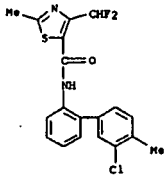


RN 577954-93-9 HCAPLUS

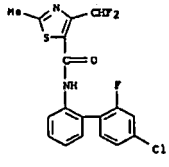
L20 ANSWER 16 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 577954-97-3 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3'-chloro-4'-methyl[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

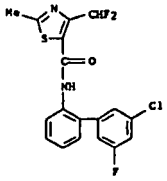


RN 577954-98-4 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-2'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

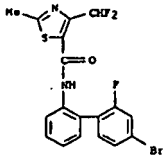


RN 577954-99-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3'-chloro-5'-fluoro[1,1'-biphenyl]-2-yl)-4-

L20 ANSWER 16 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



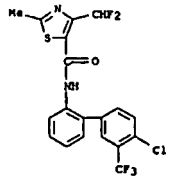
RN 577955-00-1 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo-2'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



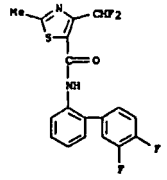
RN 577955-01-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-methyl[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

L20 ANSWER 16 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 577955-04-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-chloro-3'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

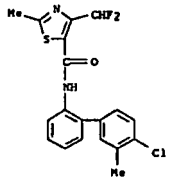


RN 577955-05-6 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3',4'-difluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

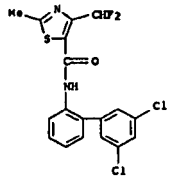


RN 577955-06-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

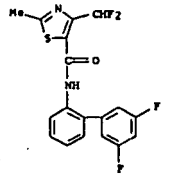
L20 ANSWER 16 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



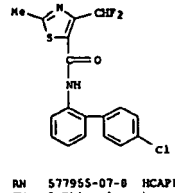
RN 577955-02-3 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3',5'-dichloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



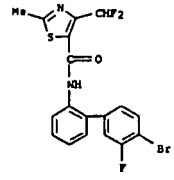
RN 577955-03-4 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3',5'-difluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



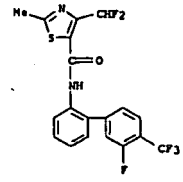
L20 ANSWER 16 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



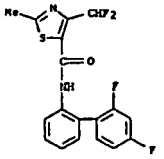
RN 577955-07-8 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 577955-08-9 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-N-[3'-fluoro-4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-2-methyl- (9CI) (CA INDEX NAME)



RN 577955-09-0 HCAPLUS
CN 5-Thiazolecarboxamide, N-(2',4'-difluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 577955-10-3 HCAPLUS
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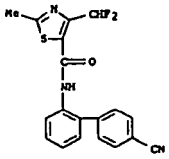
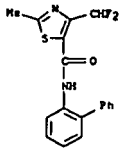
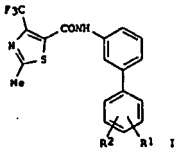


RN 577955-11-4 HCAPLUS
CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ED Entered STN: 15 Aug 2003
GI



AB Title compds. [I; R1, R2 = H, halo, cyano, NO2, alkyl alkenyl, (halo)alkoxy, (halo)alkylthio, (halo)alkylsulfonyl, cycloalkyl, haloalkyl; or R1R2 = (substituted) alkenylene], were prepared Thus, 3'-chloro-4'-fluoro-1,1'-biphenyl-2-amine (preparation given) and 2-methyl-4-(trifluoromethyl)-1,3-thiazole-5-carbonyl chloride in THF was treated with Et3N followed by stirring for 16 h at 60° to give 95% N-(3'-chloro-4'-fluoro-1,1'-biphenyl-2-yl)-2-methyl-4-(trifluoromethyl)-1,3-thiazole-5-carboxamide. The latter at 10 ppm gave 83% control of Sphaerotheca fuliginea.

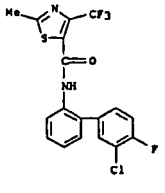
ACCESSION NUMBER: 2003:633680 HCAPLUS
DOCUMENT NUMBER: 139:164788
TITLE: Preparation of (trifluoromethylthiazolyl)carboxanilide s as agricultural microbicides
INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Kuck, Karl-Heinz; Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid
PATENT ASSIGNEE(S): Bayer CropScience AG, Germany
SOURCE: PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003066609	A1	20030814	WO 2003-EP588	20030122
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10204390	A1	20030814	DE 2002-10204390	20020204
AU 2003202585	A1	20030902	AU 2003-202585	20030122

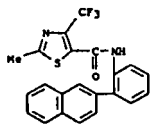
EP 1474406	A1	20041110	EP 2003-701536	20030122
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2005143428	A1	20050630	US 2003-502962	20030122
JP 2005523273	T2	20050804	JP 2003-565983	20030122
US 7098227	B2	20060829	US 2004-502962	20040729
			DE 2002-10204390 A	20020204
			WO 2003-EP588 W	20030122

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 139:164788
IT 577794-35-5P 577794-38-8P 577794-39-9P 577794-40-2P 577794-41-3P 577794-43-5P 577794-44-6P 577794-45-7P 577794-46-8P 577794-47-9P 577794-48-0P 577794-49-1P 577794-50-4P 577794-51-5P 577794-52-6P 577794-53-7P 577794-54-8P 577794-55-9P 577794-56-0P 577794-57-1P 577794-58-2P 577794-59-3P 577794-60-6P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of (trifluoromethylthiazolyl)carboxanilides as agricultural microbicides)
RN 577794-35-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3'-chloro-4'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

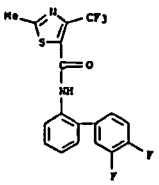


RN 577794-38-8 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[2-(2-naphthalenyl)phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

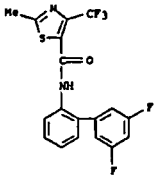


RN 577794-39-9 HCAPLUS

L20 ANSWER 17 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN 5-Thiazolecarboxamide, N-(3',4'-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

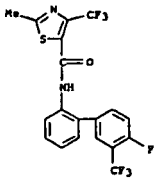


RN 577794-40-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3',5'-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

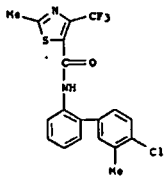


RN 577794-41-3 HCAPLUS
CN 5-Thiazolecarboxamide, N-(2',4'-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 17 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 577794-45-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-fluoro-3'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

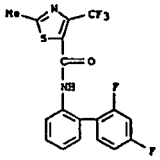


RN 577794-46-8 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

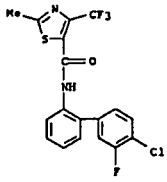


RN 577794-47-9 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-chloro-3'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

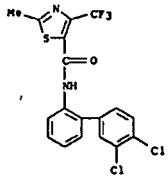
L20 ANSWER 17 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



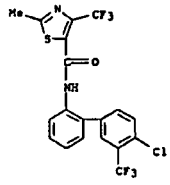
RN 577794-43-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



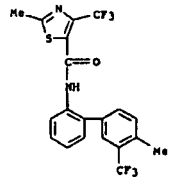
RN 577794-44-6 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3',4'-dichloro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



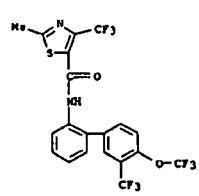
L20 ANSWER 17 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577794-48-0 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-methyl-3'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

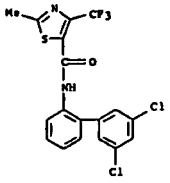


RN 577794-49-1 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-(trifluoromethoxy)-3'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

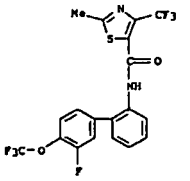


L20 ANSWER 17 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 577794-50-4 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3',5'-dichloro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

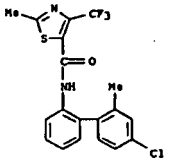


RN 577794-51-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-[3'-fluoro-4'-(trifluoromethoxy)[1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

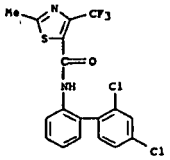


RN 577794-52-6 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-2'-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

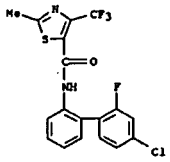
L20 ANSWER 17 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577794-53-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(2',4'-dichloro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

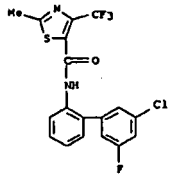


RN 577794-54-8 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-2'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

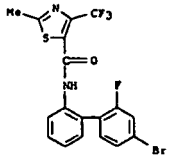


RN 577794-55-9 HCAPLUS
CN 5-Thiazolecarboxamide, N-(3'-chloro-5'-fluoro[1,1'-biphenyl]-2-yl)-2-

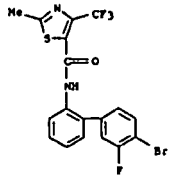
L20 ANSWER 17 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 577794-56-0 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo-2'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

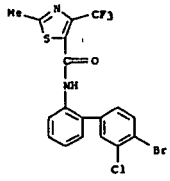


RN 577794-57-1 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo-3'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

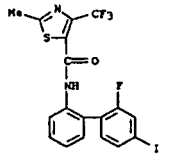


RN 577794-58-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo-3'-chloro[1,1'-biphenyl]-2-yl)-2-methyl-

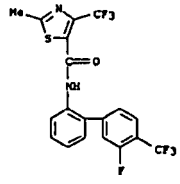
L20 ANSWER 17 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 577794-59-3 HCAPLUS
CN 5-Thiazolecarboxamide, N-(2'-fluoro-4'-iodo[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



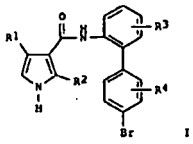
RN 577794-60-6 HCAPLUS
CN 5-Thiazolecarboxamide, N-[3'-fluoro-4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 17 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L20 ANSWER 18 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 23 Aug 2002
GI



I

AB Title compds. I [R1 = CF3, CF2H, CFH2; R2-3 = H, F; R4 = H, F, Cl, Br, Me, CF3, OCF3, SCF3] were prepared For instance, 1-methyl-4-trifluoromethyl-1H-pyrrole-3-carboxylic acid (preparation given) was converted to the corresponding acid chloride (CH2Cl2, ClCOCOCl, DMF) and subsequently reacted with 2-(4'-bromophenyl)aniline to afford I (R1 = CF3; R2-4 = H; II). Administration of a formulation of II (0.02%) to a one week old wheat plant (Arina) followed by innoculation with Puccinia recondita (brownrust) and incubation resulted in <5% infestation after 8 days at 20° and 60% relative humidity. I are suitable for protecting plants against infestations by phytopathogenic microorganisms.

ACCESSION NUMBER: 2002:637651 HCAPLUS
DOCUMENT NUMBER: 137:169413
TITLE: Preparation of pyrrolecarboxamides for use as fungicides
INVENTOR(S): Walter, Harald
PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064562	A1	20020822	WO 2002-EP1344	20020208
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EG 23036	A	20040131	EG 2002-149	20020205

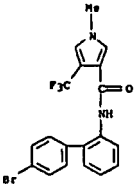
L20 ANSWER 18 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CA 2436271	AA	20020822	CA 2002-2436271	20020208
EP 1360176	A1	20031112	EP 2002-719787	20020208
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2002007128	A	20040330	BR 2002-7128	20020208
CN 1491212	A	20040421	CN 2002-804755	20020208
JP 2004528297	T2	20040916	JP 2002-564495	20020208
ZA 2003006934	A	20040830	ZA 2003-5934	20030731
US 20040082477	A1	20040429	US 2003-467643	20031126
PRIORITY APPLN. INFO.:			GB 2001-3258 A	20010209
			WO 2002-EP1344 W	20020208

OTHER SOURCE(S): CASREACT 137:169413; MARPAT 137:169413

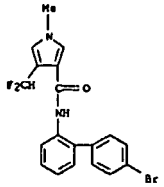
IT 448235-93-6P 448235-94-7P 448235-95-8P
448235-96-9P 448235-97-0P 448235-98-1P
448235-99-2P 448236-00-8P 448236-01-9P
448236-02-0P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(fungicide; preparation of pyrrolecarboxamides for use as fungicides)

RN 448235-93-6 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

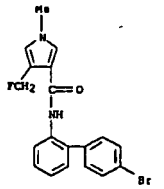


RN 448235-94-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

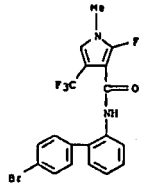
L20 ANSWER 18 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



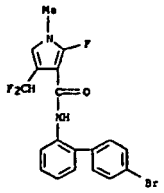
RN 448235-95-8 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(fluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



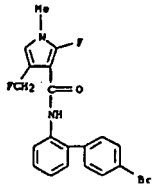
RN 448235-96-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-2-fluoro-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L20 ANSWER 18 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 448235-97-0 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-fluoro-1-methyl- (9CI) (CA INDEX NAME)

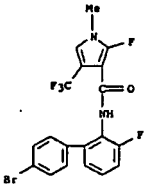


RN 448235-98-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-2-fluoro-4-(fluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

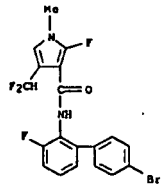


RN 448235-99-2 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-bromo-3-fluoro[1,1'-biphenyl]-2-yl)-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 18 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

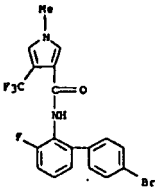


RN 448236-02-0 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-bromo-3-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-fluoro-1-methyl- (9CI) (CA INDEX NAME)

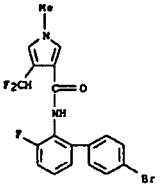


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 18 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

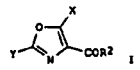


RN 448236-00-8 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-bromo-3-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



RN 448236-01-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-bromo-3-fluoro[1,1'-biphenyl]-2-yl)-2-fluoro-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 19 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 23 Aug 2002
GI



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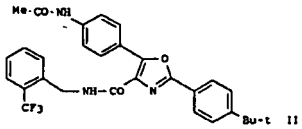


II

AB Title oxazole derivs. [I; X = (un)substituted-aryl, (un)substituted-heteroaryl, (un)substituted-N-containing-heteroaryl; Y = (un)substituted-aryl, (un)substituted-heteroaryl; R2 = OH, alkoxy, NH2, alkylamino, arylamino, etc.] and pharmacol. acceptable salts thereof, which have activity in inhibiting inflammatory cytokines, particularly IL-4, are prepared Pharmaceutical compns. comprising title oxazole derivs. I and methods of prophylaxis and treatment of diseases mediated by cytokines, particularly allergic diseases are described. Thus, the title compound II was prepared from glycine Et ester hydrochloride, 4-tert-butylbenzoyl chloride, and 4-nitrobenzoyl chloride through hydrogenation, acylation, and amination, and was in vitro tested for inhibition of IL-4 production and cellular viability.

ACCESSION NUMBER: 2002:637648 HCAPLUS
DOCUMENT NUMBER: 137:185516
TITLE: Preparation of oxazole derivatives and their use as cytokine inhibitors
INVENTOR(S): Maruto, Shunji; Sugano, Yuichi; Tatsuta, Tohru; Burdi, Douglas; Forte, Alexander; Grisostomi, Corinna
PATENT ASSIGNEE(S): Sankyo Company, Limited, Japan
SOURCE: PCT Int. Appl., 444 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064558	A2	20020822	WO 2002-US4326	20020213

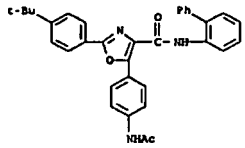
L20 ANSWER 19 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

WO 2002066558 A3 20031120
W: AU, BR, CA, CN, CO, CZ, HU, ID, IL, IN, JP, KR, MX, NO, NZ, PH, PL, RU, SG, SK, US, VN, ZA
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR
AU 2002248432 A1 20020828 AU 2002-248432 20020213
PRIORITY APPLN. INFO.: US 2001-268771P P 20010214
WO 2002-US4326 W 20020213

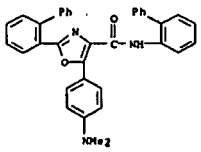
OTHER SOURCE(S): MARPAT 137:185516

IT 449159-87-9P 449161-19-7P 449161-79-9P
449162-22-5P 449163-79-5P 449164-19-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of oxazole derivs. and their use as cytokine inhibitors)

RN 449159-87-9 HCAPLUS
CN 4-Oxazolecarboxamide, 5-[4-(acetylamino)phenyl]-N-[1,1'-biphenyl]-2-yl-2-[4-(1,1-dimethylethyl)phenyl]- (9CI) (CA INDEX NAME)

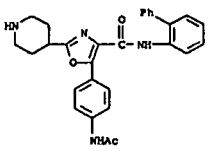


RN 449161-19-7 HCAPLUS
CN 4-Oxazolecarboxamide, N,2-bis([1,1'-biphenyl]-2-yl)-5-[4-(dimethylamino)phenyl]- (9CI) (CA INDEX NAME)

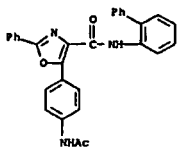


RN 449161-79-9 HCAPLUS
CN 4-Oxazolecarboxamide, 5-[4-(acetylamino)phenyl]-N-[1,1'-biphenyl]-2-yl-2-phenyl- (9CI) (CA INDEX NAME)

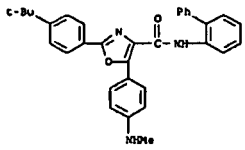
L20 ANSWER 19 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



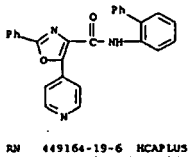
L20 ANSWER 19 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 449162-22-5 HCAPLUS
CN 4-Oxazolecarboxamide, N-[1,1'-biphenyl]-2-yl-2-[4-(1,1-dimethylethyl)phenyl]-5-[4-(methylamino)phenyl]- (9CI) (CA INDEX NAME)



RN 449163-79-5 HCAPLUS
CN 4-Oxazolecarboxamide, N-[1,1'-biphenyl]-2-yl-2-phenyl-5-(4-pyridinyl)- (9CI) (CA INDEX NAME)

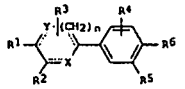


RN 449164-19-6 HCAPLUS
CN 4-Oxazolecarboxamide, 5-[4-(acetylamino)phenyl]-N-[1,1'-biphenyl]-2-yl-2-(4-piperidinyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 20 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 10 Feb 2002

GI



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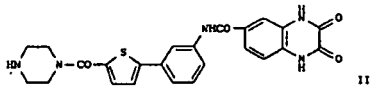


II

AB Biaryls I [X = CH, O, S, N, NH; Y = CH, N; n = 0, 1; one of R1 and R2 = (un)substituted CONRH2, COQNH2, CH2NH2, SO2NH2 and the other is H or RJ; one of R5 and R6 = NHCOR7, NHSO2R7, NHS(O)R7 and the other is H, R4; Q = amino acid or peptide residue; R3 = H, halogen, (un)substituted NH2, NHCOR7; R4 = H, halogen, hydroxyl, amino, carboxyl, alkyl, alkenyl, alkynyl; R7 = H, amino, (un)substituted alkyl, alkenyl, alkynyl, 5-16 member carbocycle or heterocycle] were prepd for use as antimicrobial agents. Thus, polymer-supported piperazine was acylated with 5-bromo-2-thiophenecarboxylic acid, coupled with 3-H2NC6H4B(OH)2, and acylated with 2,3-dioxobenzopyrazine-6-carboxylic acid to give the biaryl II. In a coupled bacterial transcription-translation assay II had an IC50 of 25 μM.

ACCESSION NUMBER: 2002:107059 HCAPLUS
DOCUMENT NUMBER: 136:151182
TITLE: Antimicrobial biaryl compounds
INVENTOR(S): Jefferson, Elizabeth Ann; Swayze, Eric
PATENT ASSIGNEE(S): Isis Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002009648	A2	20020207	WO 2001-US24067	20010801
WO 2002009648	A3	20020627		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,

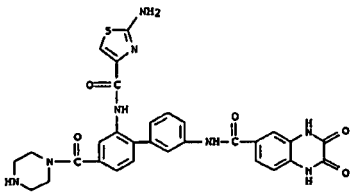
L20 ANSWER 20 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 6849660	B1	20050201	US 2000-630122		20000801
CA 2418121	AA	20020207	CA 2001-2418121		20010801
AU 2001080944	A5	20020213	AU 2001-80944		20010801
EP 1305028	A2	20030502	EP 2001-959380		20010801
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
JP 2004519421	T2	20040702	JP 2002-515203		20010801
PRIORITY APPLN. INFO.:			US 2000-630122	A	20000801
			WO 2001-US24067	W	20010801

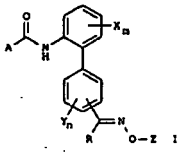
OTHER SOURCE(S): MARPAT 136:151182

IT 395648-26-7P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of acylaminobiarylcarboxamides as bactericides)

RN 395648-26-7 HCAPLUS
CN 6-Quinoxalinecarboxamide, N-[2'-[[(2-amino-4-thiazolyl)carbonyl]amino]-4'-(1-piperazinylcarbonyl)[1,1'-biphenyl]-3-yl]-1,2,3,4-tetrahydro-2,3-dioxo- (9CI) (CA INDEX NAME)



L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 01 Feb 2002
GI



AB Title compds. [I; R = H, (halo)alkyl, cycloalkyl; Z = H, (halo)alkyl; X, Y = halo, NO2, cyano, OH, CO2H, cycloalkyl, alkoxycarbonyl, alkoxyimidoalkyl, (halo-substituted) alkyl, alkoxy, alkylthio, alkenyloxy, alkynyloxy, alkylsulfonyl, alkylsulfinyl; m = 0-3; n = 0-4; A = (substituted) 1H-pyrazol-4-yl, 2- or 3-thienyl, Ph, 3-pyridinyl, 3-pyranyl, 1,4-oxathiin-3-yl, 2- or 3-thiopyranyl, 3-pyrrolyl, 3- or 2-furanyl, 5- or 4-thiazolyl, 4-isothiazolyl, 5-isoxazolyl, 2-pyrazinyl], were prepared Thus, a mixture of 2-(4-methoxyiminomethylphenyl)benzenamine (preparation given) and Et3N in PhMe was stirred with 2-methyl-4-trifluoromethylthiazole-5-carbonyl chloride at room temperature followed by stirring for 2 h at 50° to give 74% N-[2-(4-methoxyimidomethylphenyl)phenyl]-2-methyl-4-trifluoromethylthiazole-5-carboxamide. Several I at 100 ppm gave 77-100% control of Podosphaera leucotricha on apple.

ACCESSION NUMBER: 2002:90017 HCAPLUS
DOCUMENT NUMBER: 136:151158
TITLE: Preparation of N-biphenylcarboxamides as bactericides
INVENTOR(S): Elbe, Hans-Ludwig; Rieck, Heiko; Dunkel, Ralf; Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid; Kuck, Karl-Heinz; Kugler, Martin; Jaetsch, Thomas
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 164 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002008197	A1	20020131	WO 2001-EP7981	20010711
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,				

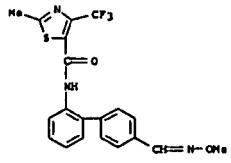
L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

DE 10122447	A1	20020418	DE 2001-10122447		20010509
EP 1305292	A1	20030502	EP 2001-956525		20010711
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
BR 2001012676	A	20030624	BR 2001-12676		20010711
JP 2004504383	T2	20040212	JP 2002-514103		20010711
ZA 2003000633	A	20040212	ZA 2003-633		20030123
US 2004039043	A1	20040226	US 2003-333598		20030506
PRIORITY APPLN. INFO.:			DE 2000-10035857	A	20000724
			DE 2001-10122447	A	20010509
			WO 2001-EP7981	W	20010711

OTHER SOURCE(S): MARPAT 136:151158

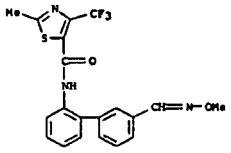
IT 393820-27-4P 393820-33-2P 393820-35-4P
393820-37-6P 393820-39-8P 393820-41-2P
393820-43-4P 393820-45-6P 393820-47-8P
393820-64-9P 393820-67-2P 393820-77-4P
393820-94-5P 393820-98-9P 393821-06-2P
393821-33-5P 393821-49-3P 393821-51-7P
393821-62-0P 393821-63-1P 393821-65-3P
393821-67-5P 393821-69-7P 393821-75-5P
393821-77-7P 393821-80-2P 393821-83-5P
393821-84-6P 393821-85-7P 393821-86-8P
393821-87-9P 393821-90-4P 393822-00-9P
393822-21-4P 393822-23-6P 393822-42-9P
393822-54-3P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of N-biphenylcarboxamides as bactericides)

RN 393820-27-4 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

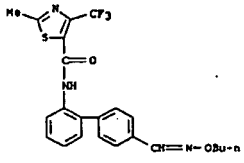


RN 393820-33-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-[3'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

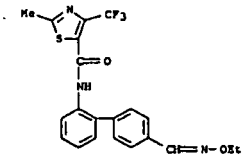
L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 393820-35-4 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[(butoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

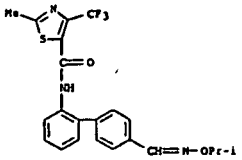


RN 393820-37-6 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[(ethoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

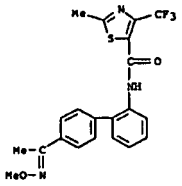


RN 393820-39-8 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[[(1-methylethoxy)imino]methyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

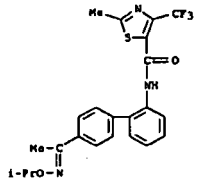


RN 393820-41-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[1-(methoxyimino)ethyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

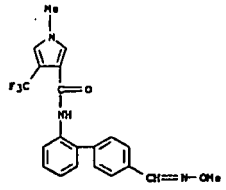


RN 393820-43-4 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[1-(ethoxyimino)ethyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

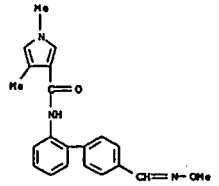
L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



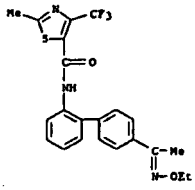
RN 393820-64-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



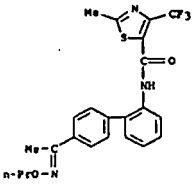
RN 393820-67-2 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-1,4-dimethyl- (9CI) (CA INDEX NAME)



L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



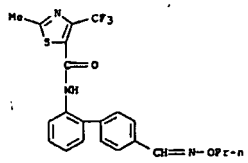
RN 393820-45-6 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[1-(propoxyimino)ethyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



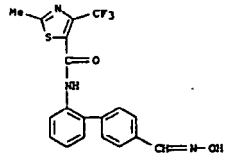
RN 393820-47-8 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[1-[(1-methylethoxy)imino]ethyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

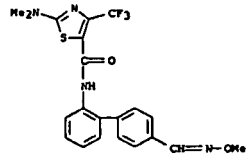
RN 393820-77-4 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[(propoxyimino)methyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 393820-94-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[(hydroxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

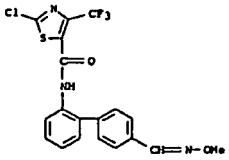


RN 393820-98-9 HCAPLUS
CN 5-Thiazolecarboxamide, 2-(dimethylamino)-N-[4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

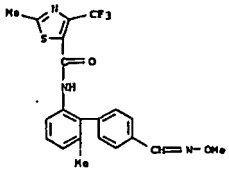


RN 393821-06-2 HCAPLUS
CN 5-Thiazolecarboxamide, 2-chloro-N-[4'-[(methoxyimino)methyl][1,1'-

L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
biphenyl]-2-yl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

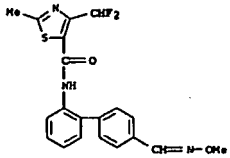


RN 393821-33-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-[(methoxyimino)methyl]-6-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

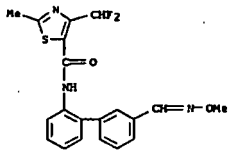


RN 393821-49-3 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-N-[4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl- (9CI) (CA INDEX NAME)

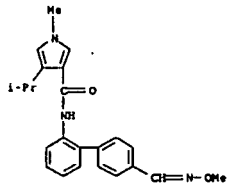
L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



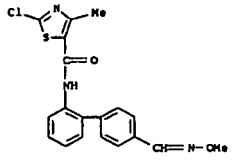
RN 393821-51-7 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-N-[3'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl- (9CI) (CA INDEX NAME)



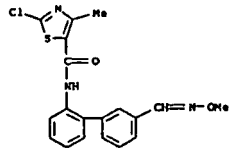
RN 393821-62-0 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-1-methyl-4-(1-methylethyl)- (9CI) (CA INDEX NAME)



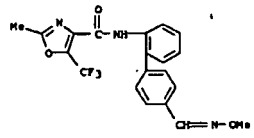
L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 393821-63-1 HCAPLUS
CN 5-Thiazolecarboxamide, 2-chloro-N-[4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-4-methyl- (9CI) (CA INDEX NAME)



RN 393821-65-3 HCAPLUS
CN 5-Thiazolecarboxamide, 2-chloro-N-[3'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-4-methyl- (9CI) (CA INDEX NAME)

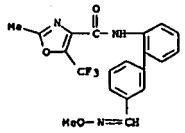


RN 393821-67-5 HCAPLUS
CN 4-Oxazolecarboxamide, N-[4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)

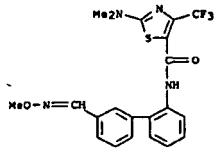


RN 393821-69-7 HCAPLUS
CN 4-Oxazolecarboxamide, N-[3'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)

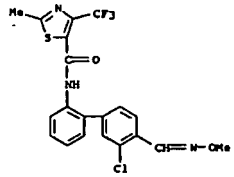
L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 393821-75-5 HCAPLUS
CN 5-Thiazolecarboxamide, 2-(dimethylamino)-N-[3'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

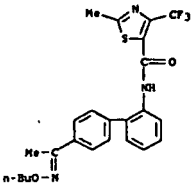


RN 393821-77-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-[3'-chloro-4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

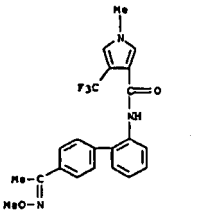


RN 393821-80-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[1-(butoxyimino)ethyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

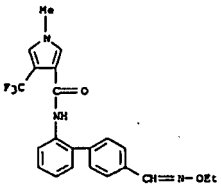


RN 393821-83-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-[1-(methoxyimino)ethyl][1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

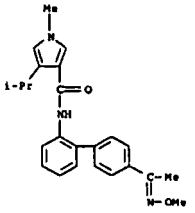


RN 393821-84-6 HCAPLUS
CN 5-Thiazolecarboxamide, 2-chloro-N-[4'-[1-(methoxyimino)ethyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

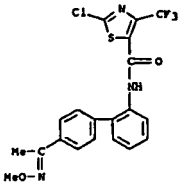


RN 393821-87-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-[1-(methoxyimino)ethyl][1,1'-biphenyl]-2-yl]-1-methyl-4-(1-methylethyl)- (9CI) (CA INDEX NAME)

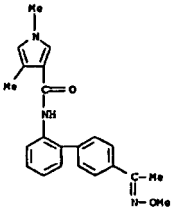


RN 393821-90-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-[(ethoxyimino)methyl][1,1'-biphenyl]-2-yl]-1-methyl-4-(1-methylethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

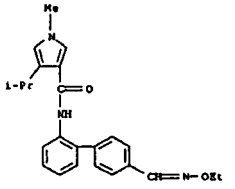


RN 393821-85-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-[1-(methoxyimino)ethyl][1,1'-biphenyl]-2-yl]-1,4-dimethyl- (9CI) (CA INDEX NAME)

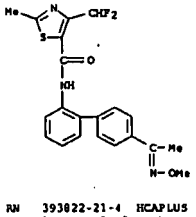


RN 393821-86-8 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-[(ethoxyimino)methyl][1,1'-biphenyl]-2-yl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

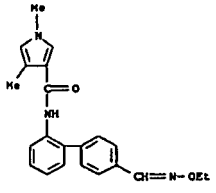
L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



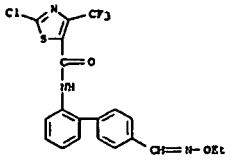
RN 393822-00-9 HCAPLUS
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-N-[4'-[1-(methoxyimino)ethyl][1,1'-biphenyl]-2-yl]-2-methyl- (9CI) (CA INDEX NAME)



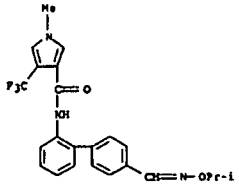
RN 393822-21-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4'-[(ethoxyimino)methyl][1,1'-biphenyl]-2-yl]-1,4-dimethyl- (9CI) (CA INDEX NAME)



L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 393822-23-6 HCAPLUS
CN 5-Thiazolecarboxamide, 2-chloro-N-[4'-[(ethoxyimino)methyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

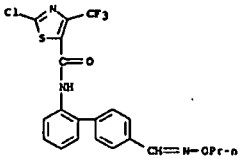


RN 393822-42-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[4'-[[(1-methylethoxy)imino]methyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



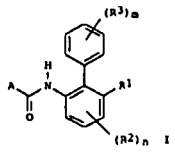
RN 393822-54-3 HCAPLUS
CN 5-Thiazolecarboxamide, 2-chloro-N-[4'-[(propoxyimino)methyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 22 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 01 Nov 2001
GI

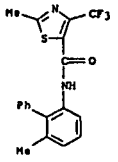


AB The title compds. I [R1 = alkyl, etc.; n = 0 - 3; R2 = F; m = 0 - 5; R3 = halo, alkyl, etc.; A = pyrazole moiety (generic structure given), etc.] are prepared N-(4'-Chloro-6-methylbiphenyl-2-yl)-1-methyl-3-trifluoromethyl-1H-pyrazole-4-carboxamide at 200 ppm gave complete control of Sphaerotheca fuliginea on cucumber.
ACCESSION NUMBER: 2001:793427 HCAPLUS
DOCUMENT NUMBER: 135:331421
TITLE: Preparation of biphenyl moiety-containing heterocyclic compounds as agrochemical fungicides
INVENTOR(S): Sakaguchi, Hiroshi
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 32 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001302605	A2	20011031	JP 2000-119399	20000420
PRIORITY APPLN. INFO.:			JP 2000-119399	20000420

OTHER SOURCE(S): MARPAT 135:331421
IT 370070-27-2P 370070-28-3P 370070-29-4P 370070-30-7P 370070-31-8P 370070-32-9P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of biphenyl moiety-containing heterocyclic compds. as agrochem. fungicides)
RN 370070-27-2 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-(6-methyl[1,1'-biphenyl]-2-yl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 22 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 370070-28-3 HCAPLUS
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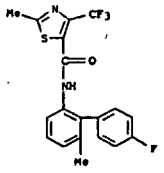
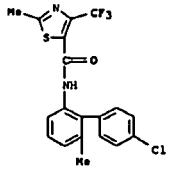
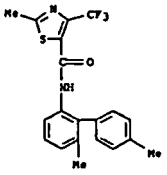


RN 370070-29-4 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-6-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

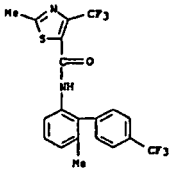


RN 370070-30-7 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4',6-dimethyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

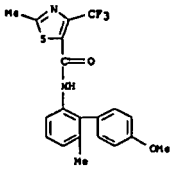
L20 ANSWER 22 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 370070-31-8 HCAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[6-methyl-4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

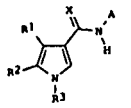


RN 370070-32-9 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-methoxy-6-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L20 ANSWER 22 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L20 ANSWER 23 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 27 Jul 2001
GI



I

AB The title compds. [I; X = O, S; R1 = alkyl, cycloalkyl, halo; R2 = H, alkyl, alkoxy, etc.; R3 = alkyl; A = (un)substituted ortho-substituted (hetero)aryl, bicyclo(hetero)aryl] which have plant-protective properties and are suitable for protecting plants against infestations by phytopathogenic microorganisms, were prepared Thus, methylation of Me 4-methylpyrrole-3-carboxylate followed by hydrolysis of the resulting ester, and reaction of 1,4-dimethylpyrrole-3-carboxylic acid with 2-(4'-fluorophenyl)aniline afforded I [X = O; R1, R3 = Me; R2 = H; A = 4'-fluorobiphenyl-2-yl] which showed strong efficacy against Puccinia recondita on wheat (< 20% infestation).

ACCESSION NUMBER: 2001:545661 HCAPLUS
DOCUMENT NUMBER: 135:137397
TITLE: Preparation of pyrrolecarboxamides and pyrrolethioamides as fungicides
INVENTOR(S): Walter, Harald; Schneider, Hermann
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
SOURCE: PCT Int. Appl., 111 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001053259	A1	20010726	WO 2001-EP592	20010119
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2397008	AA	20010726	CA 2001-2397008	20010119
BR 2001007738	A	20021022	BR 2001-7738	20010119
EP 1252140	A1	20021030	EP 2001-907468	20010119
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003520269	T2	20030702	JP 2001-553263	20010119
AU 772635	B2	20040506	AU 2001-35433	20010119

L20 ANSWER 23 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

ZA 2002005641	A	20031103	ZA 2002-5641	20020715
US 2004049035	A1	20040311	US 2002-181702	20021008
US 6806286	B2	20041019		
US 2004106521	A1	20040603	US 2003-680346	20031007
US 7087638	B2	20060808		

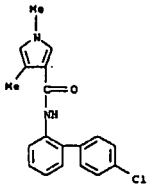
PRIORITY APPLN. INFO.:

GB 2000-1447	A	20000121
WO 2001-EP592	W	20010119
US 2002-181702	A3	20021008

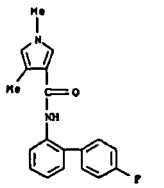
OTHER SOURCE(S): MARPAT 135:137397

IT 351416-54-1P 351416-55-2P 351416-57-4P
351416-61-0P 351416-62-1P 351416-64-3P
351416-66-5P 351416-67-6P 351416-68-7P
351416-69-8P 351416-70-1P 351416-71-2P
351416-72-3P 351416-73-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrrolecarboxamides and pyrrolethioamides as fungicides)

RN 351416-54-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-1,4-dimethyl- (9CI) (CA INDEX NAME)

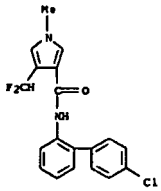


RN 351416-55-2 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-fluoro[1,1'-biphenyl]-2-yl)-1,4-dimethyl- (9CI) (CA INDEX NAME)

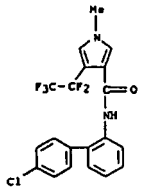


L20 ANSWER 23 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 351416-57-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

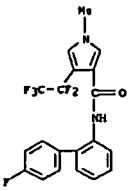


RN 351416-61-0 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-1-methyl-4-(pentafluoroethyl)- (9CI) (CA INDEX NAME)

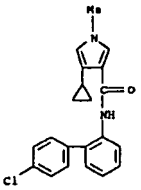


RN 351416-62-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-fluoro[1,1'-biphenyl]-2-yl)-1-methyl-4-(pentafluoroethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 23 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

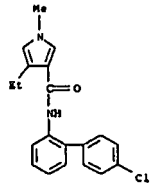


RN 351416-64-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-4-cyclopropyl-1-methyl- (9CI) (CA INDEX NAME)

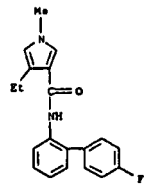


RN 351416-66-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-4-ethyl-1-methyl- (9CI) (CA INDEX NAME)

L20 ANSWER 23 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 351416-67-6 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-ethyl-N-(4'-fluoro[1,1'-biphenyl]-2-yl)-1-methyl- (9CI) (CA INDEX NAME)



RN 351416-68-7 HCAPLUS
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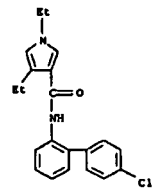
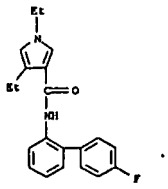
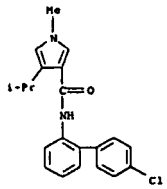


L20 ANSWER 23 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 351416-69-8 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1,4-diethyl-N-(4'-fluoro[1,1'-biphenyl]-2-yl)- (9CI) (CA INDEX NAME)

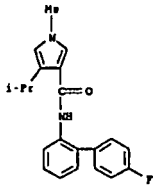


RN 351416-70-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-1-methyl-4-(1-methylethyl)- (9CI) (CA INDEX NAME)

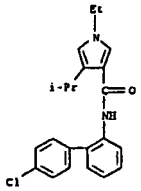


RN 351416-71-2 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-fluoro[1,1'-biphenyl]-2-yl)-1-methyl-4-(1-methylethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 23 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

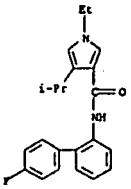


RN 351416-72-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-1-ethyl-4-(1-methylethyl)- (9CI) (CA INDEX NAME)



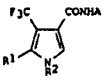
RN 351416-73-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-ethyl-N-(4'-fluoro[1,1'-biphenyl]-2-yl)-4-(1-methylethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 23 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 24 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 25 Feb 2000
GI



I

AB Title compds. I (R1 = H, halo, alkyl, haloalkyl; R2 = alkyl, haloalkyl, alkoxyalkyl, cyano, alkylsulfonyl, arylsulfonyl, etc.; A = substituted Ph, substituted 3-thienyl, substituted 4-indanyl) were prepared as plant protectants. Thus, 1.9 g 1-methyl-4-(trifluoromethyl)pyrrole-3-carboxylic acid, obtained from Et 4,4,4-trifluorocrotonate, tosylmethyl isocyanide, and MeI, and 0.9 mL oxalyl chloride in 20 mL CH2Cl2 was stirred at room temperature in the presence of a catalytic amount of DMF, the solvent was evaporated under reduced pressure to give a crystalline solid, and the solid was added to a solution of 1.7 g of 2-biphenylamine and 4.2 mL Et3N in 20 mL CH2Cl2 at 0°, and the reaction mixture was stirred for 2 h at room temperature to give I (R1 = H, R2 = Me, A = 2-biphenylyl). Application of this compound on apples, grapes, and tomatoes resulted in <10% infestation by Botrytis cinerea.

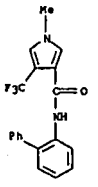
ACCESSION NUMBER: 2000:133660 HCAPLUS
DOCUMENT NUMBER: 132:166122
TITLE: (Trifluoromethyl)pyrrolecarboxamides
INVENTOR(S): Eberle, Martin; Walter, Harald
PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000009482	A1	20000224	WO 1999-EP5837	19990810
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
TW 576831	B	20040221	TW 1999-88107745	19990513
AU 9955138	A1	20000306	AU 1999-55138	19990810
AU 756140	B2	20030102		
BR 9912962	A	20010508	BR 1999-12962	19990810
EP 1105375	A1	20010613	EP 1999-941573	19990810

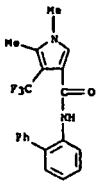
L20 ANSWER 24 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

EP 1105375	B1	20060222		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY				
TR 200100478	T2	20010621	TR 2001-200100478	19990810
JP 2002522526	T2	20020723	JP 2000-564936	19990810
RU 2264388	C2	20051120	RU 2001-105955	19990810
AT 318257	E	20060315	AT 1999-941573	19990810
US 2002019541	A1	20020214	US 2001-780897	20010209
US 6365620	B2	20020402		
PRIORITY APPLN. INFO.:			GB 1998-17548	A 19980812
			WO 1999-EP5837	W 19990810

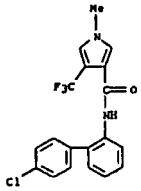
OTHER SOURCE(S): MARPAT 132:166122
IT 258510-84-8P 258510-85-9P 258510-86-0P
258510-87-1P 258510-92-8P 258510-93-9P
258510-94-0P 258510-95-1P 258510-98-4P
258510-99-5P 258511-00-1P 258511-01-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
((trifluoromethyl)pyrrolecarboxamides as plant protectants)
RN 258510-84-8 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[1,1'-biphenyl]-2-yl-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



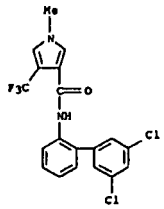
RN 258510-85-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[1,1'-biphenyl]-2-yl-1,5-dimethyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



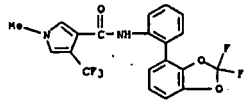
RN 258510-86-0 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



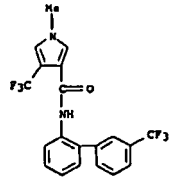
RN 258510-87-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-fluoro[1,1'-biphenyl]-2-yl)-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



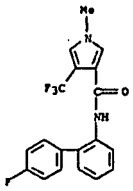
RN 258510-94-0 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2,2-difluoro-1,3-benzodioxol-4-yl)phenyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



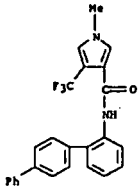
RN 258510-95-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-4-(trifluoromethyl)-N-[3'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)



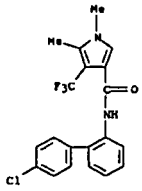
RN 258510-98-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-1,5-dimethyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



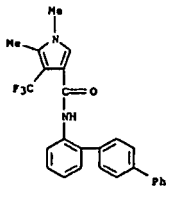
RN 258510-92-8 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[1,1':4',1''-terphenyl]-2-yl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 258510-93-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(3',5'-dichloro[1,1'-biphenyl]-2-yl)-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

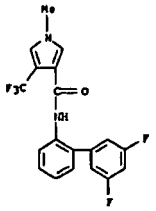


RN 258510-99-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1,5-dimethyl-N-[1,1':4',1''-terphenyl]-2-yl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

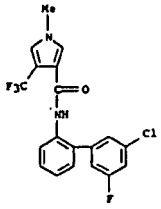


RN 258511-00-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(3',5'-difluoro[1,1'-biphenyl]-2-yl)-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L20 ANSWER 24 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 258511-01-2 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(3'-chloro-5'-fluoro[1,1'-biphenyl]-2-yl)-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

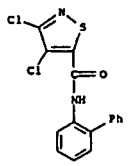


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

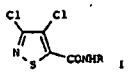
L20 ANSWER 25 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

EP 1260140	A1	20021127	EP 2002-17799		19981105
R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, IE					
CN 1122028	B	20030924	CN 1998-811086		19981105
RU 2214403	C2	20031020	RU 2000-115292		19981105
ES 2196630	T3	20031216	ES 1998-958904		19981105
ZA 9810299	A	19990518	ZA 1998-10299		19981111
TW 434233	B	20010516	TW 1998-87118722		19981111
US 6277791	B1	20010821	US 2000-530721		20000503
MX 200004486	A	20001110	MX 2000-4486		20000509
US 6372692	B1	20020416	US 2001-826572		20010405
HK 1032403	A1	20040618	HK 2001-103102		20010502
US 2002091067	A1	20020711	US 2001-10434		20011206
US 6642181	B2	20031104			
US 2004044054	A1	20040304	US 2003-651649		20030829
US 6875783	B2	20050405			
US 2005159464	A1	20050721	US 2004-21201		20041222
PRIORITY APPLN. INFO.:			DE 1997-19750012	A	19971112
			EP 1998-958904	A3	19981105
			WO 1998-EP7056	W	19981105
			US 2000-530721	A3	20000503
			US 2001-826572	A3	20010405
			US 2001-10434	A3	20011206
			US 2003-651649	A3	20030829

OTHER SOURCE(S): MARPAT 130:338103
IT 224049-52-9
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of isothiazolecarboxamides as plant protectants)
RN 224049-52-9 HCAPLUS
CN 5-Isothiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-3,4-dichloro- (9CI) (CA INDEX NAME)



L20 ANSWER 25 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 27 May 1999
GI

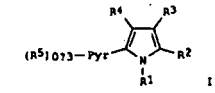


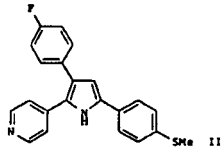
AB Title compds. (I; R = 2,3-dichlorophenyl, 2,4-dimethylphenyl, 2- or 4-substituted Ph, etc.), were prepared Thus, reaction of 2-cyanoaniline with 3,4-dichloroisothiazole-5-carbonyl chloride (preparation given) in pyridine/THF gave 89% 3,4-dichloroisothiazole-5-carboxylic acid 2-cyanoanilide. Several I at 0.1 weight% gave complete control of Plutella xylostella on cabbage leaves.

ACCESSION NUMBER:	1999:325917 HCAPLUS
DOCUMENT NUMBER:	130:338103
TITLE:	Preparation of isothiazolecarboxamides as plant protectants.
INVENTOR(S):	Assmann, Lutz; Kuhnt, Dietmar; Elbe, Hans-Ludwig; Erdelen, Christoph; Dutzmann, Stefan; Hanssler, Gerd; Stenzel, Klaus; Mauler-Machnik, Astrid; Kitagawa, Yoshinori; Sawada, Haruko; Sakuma, Haruhiko
PATENT ASSIGNEE(S):	Bayer Aktiengesellschaft, Germany
SOURCE:	PCT Int. Appl., 55 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	German
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9924413	A2	19990520	WO 1998-EP7056	19981105
WO 9924413	A3	19990701		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19750012	A1	19990520	DE 1997-19750012	19971112
AU 9914881	A1	19990531	AU 1999-14881	19981105
BR 9814636	A	20001003	BR 1998-14636	19981105
EP 1049683	A2	20001108	EP 1998-958904	19981105
EP 1049683	B1	20030618		
R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, IE				
JP 2001522840	T2	20011120	JP 2000-520427	19981105

L20 ANSWER 26 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 05 Aug 1998
GI



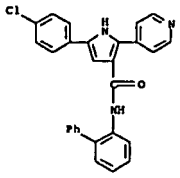


AB The invention provides substituted pyridylpyrroles I (Pyr = pyridine nucleus; R1 = H, (un)substituted alkyl, heterocyclyl, aryl, etc.; R2 = (un)substituted alkyl, (hetero)aryl, heterocyclyl, etc.; R3 = H, halo, alkyl, aryl, etc.; R4 = acyl, aryl, heterocyclyl, alkoxycarbonyl, etc.; R5 = halo, (un)substituted (hetero)aryl, etc.), as well as compns. containing such compds. and methods of treatment. I are glucagon antagonists and inhibitors of the biosynthesis and action of TNF-α, IL-1, IL-8, and other cytokines. The compds. block the action of glucagon at its receptors, and thereby decrease the levels of plasma glucose, making the compds. useful as antidiabetic agents. For instance, 4-FC6H4COCHMe(OMs) was condensed with 4-[[(tert-butyldimethylsilyl)oxy]methyl]pyridine, and the product ketone was cyclized with 4-(MeS)CGH4COMe using KCN and then NH4OAc in refluxing aqueous EtOH, to give title compound II. In a glucagon receptor binding assay, I typically showed IC50 < 2.0 μM.

ACCESSION NUMBER:	1998:407827 HCAPLUS
DOCUMENT NUMBER:	129:122578
TITLE:	Preparation of pyridylpyrroles and analogs as cytokine inhibitors and glucagon antagonists
INVENTOR(S):	De Lazzalo, Stephen E.; Chang, Linda L.; Kim, Dooseop; Mantlo, Nathan B.
PATENT ASSIGNEE(S):	Merck and Co., Inc., USA
SOURCE:	U.S., 59 pp. CODEN: USXXAM
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

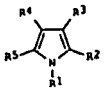
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5776954	A	19980707	US 1996-742428	19961030

L20 ANSWER 26 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
PRIORITY APPLN. INFO.: US 1996-742428 19961030
OTHER SOURCE(S): MARPAT 129:122578
IT 191030-88-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyridylpyrroles and analogs as cytokine inhibitors and glucagon antagonists)
RN 191030-88-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[1,1'-biphenyl]-2-yl-5-(4-chlorophenyl)-2-(4-pyridinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

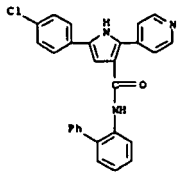
L20 ANSWER 27 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 12 Jul 1997
GI



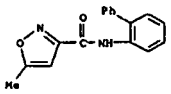
AB Title compds. [I; R1 = H, alkyl, heterocyclyl, aryl, etc.; R2 = alkyl, (hetero)aryl, heterocyclyl, etc.; R3 = H, halo, alkyl, aryl, etc.; R4 = aryl, heterocyclyl, alkoxycarbonyl, etc.; R5 = (un)substituted heteroaryl] were prepared Thus, 4-FC6H4CH:CHCOC6H4Cl-4 was condensed with 2-pyridinecarboxaldehyde and the product cyclocondensed with NH4OAc to give I (R1 = R3 = H, R2 = C6H4Cl-4, R4 = C6H4F-4, R5 = 2-pyridyl). Data for biol. activity of I were given.
ACCESSION NUMBER: 1997:433593 HCAPLUS
DOCUMENT NUMBER: 127:50543
TITLE: Preparation of pyridylpyrroles and analogs as cytokine inhibitors and glucagon antagonists
INVENTOR(S): De Laszlo, Stephen E.; Chang, Linda L.; Kim, Doosoep; Mantlo, Nathan B.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: PCT Int. Appl., 178 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9716442	A1	19970509	WO 1996-US18539	19961030
W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2234701	AA	19970509	CA 1996-2234701	19961030
AU 9711208	A1	19970522	AU 1997-11208	19961030
AU 702887	B2	19990311		
EP 859771	A1	19980826	EP 1996-942022	19961030
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
JP 11514651	T2	19991214	JP 1996-517642	19961030
PRIORITY APPLN. INFO.:			US 1995-7100P P	19951031
			GB 1996-5158 A	19960312

L20 ANSWER 27 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
US 1996-15565P P 19960418
GB 1996-12062 A 19960610
WO 1996-US18539 W 19961030
OTHER SOURCE(S): MARPAT 127:50543
IT 191030-88-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyridylpyrroles and analogs as cytokine inhibitors and glucagon antagonists)
RN 191030-88-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[1,1'-biphenyl]-2-yl-5-(4-chlorophenyl)-2-(4-pyridinyl)- (9CI) (CA INDEX NAME)

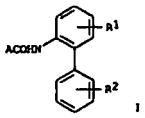


L20 ANSWER 28 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 16 May 1997
AB The relationship between Wiener's topol. index and the antiepileptic activity of a series of N-aryl-isoxazole carboxamides/N-isoxazolylbenzamide analogs has been investigated. Values of Wiener's topol. index for 69 compds. constituting the training set were computed and an active range was identified. Each analog was subsequently assigned an activity which was then compared with the reported antiepileptic activity against the maximal electroshock seizure (MES) test. Due to significant correlation between antiepileptic activity and Wiener's topol. index, it was possible to predict antiepileptic activity with an accuracy of .apprx.91% in the active range.
ACCESSION NUMBER: 1997:314759 HCAPLUS
DOCUMENT NUMBER: 127:28623
TITLE: Structure-activity study of antiepileptic N-Arylisoxazolecarboxamides/N-isoxazolylbenzamide analogs using Wiener's topological index
AUTHOR(S): Goel, Anshu; Madan, A. K.
CORPORATE SOURCE: Shripati Singhania RandD Centre, JK Pharmaceuticals, Faridabad, 121003, India
SOURCE: Structural Chemistry (1997), 8(2), 155-159
CODEN: STCHES; ISSN: 1040-0400
PUBLISHER: Plenum
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 145440-86-4
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antiepileptic activity correlation with Wiener's topol. index)
RN 145440-86-4 HCAPLUS
CN 3-Isoxazolecarboxamide, N-[1,1'-biphenyl]-2-yl-5-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 29 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 02 May 1997
GI



I

AB Title compds. (I; R1 = F; R2 = H, halo, alkyl, CF3, alkoxy, alkylthio; A = substituted pyridyl, thiazolyl, pyrazolyl), were prepared Thus, 2-amino-4'-chloro-5-fluorobiphenyl (preparation given) was stirred with 2-chloronicotinoyl chloride in THF containing Et3N at 5° to give 2-nicotinic acid 4-chloro-5-fluorobiphenyl-2-amide. Several I at 250 ppm gave 100% control of Botrytis cinerea on paprika.

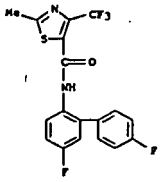
ACCESSION NUMBER: 1997:280947 HCAPLUS
DOCUMENT NUMBER: 126:264007
TITLE: Preparation of heteroaroyl biphenylylamides as agrochemical and industrial fungicides.
INVENTOR(S): Ziken, Karl; Rang, Harald; Harreus, Albrecht; Goetz, Norbert; Ammermann, Eberhard; Lorenz, Gisela; Strathmann, Siegfried
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Ger. Offen., 21 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19531813	A1	19970306	DE 1995-19531813	19950830
WO 9708148	A1	19970306	WO 1996-EP3753	19960826
W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, TJ, TM				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9669285	A1	19970319	AU 1996-69285	19960826
EP 847388	A1	19980617	EP 1996-930102	19960826
EP 847388	B1	20030625		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
JP 11511449	T2	19991005	JP 1996-509844	19960826
AT 243682	E	20030715	AT 1996-930102	19960826
PT 847388	T	20031031	PT 1996-930102	19960826
ES 2202463	T3	20040401	ES 1996-930102	19960826
ZA 9607315	A	19980302	ZA 1996-7315	19960829
US 5998450	A	19991207	US 1998-11717	19980217

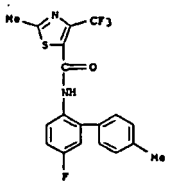
PRIORITY APPLN. INFO.: DE 1995-19531813 A 19950830

L20 ANSWER 29 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
WO 1996-EP3753 W 19960826

OTHER SOURCE(S): MARPAT 126:264007
IT 188731-24-0P 188731-25-1P 188731-26-2P
188731-27-3P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aroyl biphenylylamides as agrochem. and industrial fungicides)
RN 188731-24-0 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4',5-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

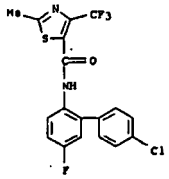


RN 188731-25-1 HCAPLUS
CN 5-Thiazolecarboxamide, N-(5-fluoro-4'-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

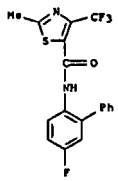


RN 188731-26-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-5-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

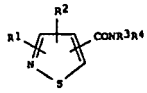
L20 ANSWER 29 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 188731-27-3 HCAPLUS
CN 5-Thiazolecarboxamide, N-(5-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L20 ANSWER 30 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 13 Dec 1995
GI



I

AB The title compds. I [R1, R2 = H, alkyl, etc.; R3, R4 = H, alkyl, cycloalkyl, etc.] are prepared by reacting isothiazoles with carbon monoxide and amines in the presence of catalysts. Thus, a mixture of 5-iodo-3-methylisothiazole, bis(triphenylphosphine)palladium (II) dichloride, triphenylphosphine, octylamine, and tributylamine in 1,4-dioxane under carbon monoxide 10 atm was heated at 100° for 6 h to give 97% N-octyl-3-methylisothiazol-5-carboxamide.

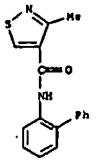
ACCESSION NUMBER: 1995:978695 HCAPLUS
DOCUMENT NUMBER: 124:8805
TITLE: Preparation of isothiazolecarboxamides
INVENTOR(S): Yoshikawa, Yukihiro; Maeda, Sunao
PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07196637	A2	19950801	JP 1994-9143	19940131

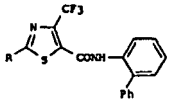
PRIORITY APPLN. INFO.: JP 1994-9143 A 19940131
JP 1993-293003 19931124

OTHER SOURCE(S): CASREACT 124:8805; MARPAT 124:8805
IT 171352-72-0P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of isothiazolecarboxamides)
RN 171352-72-0 HCAPLUS
CN 4-Isothiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-3-methyl- (9CI) (CA INDEX NAME)

L20 ANSWER 30 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L20 ANSWER 31 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 12 Sep 1995
GI



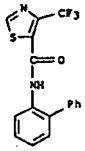
AB The title compds. I [R = H, methyl] are prepared I [R = methyl] (preparation
given) at 50 ppm gave complete control of Botrytis cinerea. I [R = H] at 50 ppm also gave complete control of Botrytis cinerea.

ACCESSION NUMBER: 1995:784957 HCAPLUS
DOCUMENT NUMBER: 123:198788
TITLE: Preparation of thiazolecarboxamide derivatives as agrochemical fungicides
INVENTOR(S): Yoshikawa, Yukihiro; Kawashima, Hideo; Tomitani, Kanji; Yanase, Juji; Kishi, Junro
PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

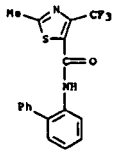
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07145156	A2	19950606	JP 1993-293004	19931124
PRIORITY APPLN. INFO.:			JP 1993-293004	19931124

IT 167548-90-5P 167548-91-6P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of thiazolecarboxamide derivs. as agrochem. fungicides)
RN 167548-90-5 HCAPLUS
CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

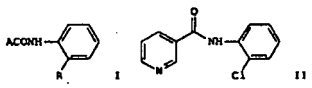
L20 ANSWER 31 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 167548-91-6 HCAPLUS
CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L20 ANSWER 32 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 16 Oct 1993
GI



AB The use of the title compds. I (A = heteroaryl; R = haloalkyl, halo, alkenyl, alkoxy, etc.) for the inhibition of Botrytis is claimed. Treatment of N-propylaniline with 2-chloronicotinoyl chloride gave N-(2-chlorophenyl)-3-pyridinamide (II). II had fungicidal activity against Botrytis cinerea.

ACCESSION NUMBER: 1993:560132 HCAPLUS
DOCUMENT NUMBER: 119:160132
TITLE: Anilide derivatives and their use to combat Botrytis
INVENTOR(S): Eicken, Karl; Goetz, Norbert; Harreus, Albrecht; Ammermann, Eberhard; Lorenz, Gisela; Rang, Harald
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Eur. Pat. Appl., 60 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 545099	A2	19930609	EP 1992-119105	19921107
EP 545099	A3	19931124		
EP 545099	B1	19970305		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
CA 2081935	AA	19930523	CA 1992-2081935	19921102
CA 2081935	C	20040525		
IL 103614	A1	19980924	IL 1992-103614	19921102
AT 149487	E	19970315	AT 1992-119105	19921107
ES 2098421	T3	19970501	ES 1992-119105	19921107
US 5330995	A	19940719	US 1992-973976	19921109
JP 05221994	A2	19930831	JP 1992-303337	19921113
JP 3202079	B2	20010827		
AU 9228554	A1	19930527	AU 1992-28554	19921120
AU 656243	B2	19950127		
HU 62861	A2	19930628	HU 1992-3653	19921120
HU 213622	B	19970828		
ZA 9208977	A	19940519	ZA 1992-8977	19921120
PL 171306	B1	19970328	PL 1992-296677	19921120
SK 281730	B6	20010710	SK 1992-3448	19921120
CZ 289478	B6	20020116	CZ 1992-3448	19921120
US 5480897	A	19960102	US 1994-215463	19940321
US 5556988	A	19960917	US 1995-472927	19950607
US 5589493	A	19961231	US 1995-478681	19950607
JP 2001253802	A2	20010918	JP 2001-85276	20010323
JP 3657523	B2	20050608		
JP 2001316210	A2	20011113	JP 2001-85342	20010323

L20 ANSWER 32 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

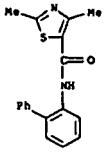
JP 3660890	B2	20050615	
PRIORITY APPLN. INFO.:		DE 1991-4138387	A 19911122
		DE 1992-4204764	A 19920218
		DE 1992-4204766	A 19920218
		DE 1992-4204767	A 19920218
		DE 1992-4204768	A 19920218
		US 1992-973976	A3 19921109
		JP 1992-303337	A3 19921113
		US 1994-215463	A3 19940321

OTHER SOURCE(S): MARPAT 119:160132

IT 21674-10-2P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as agrochem. fungicide)

RN 21674-10-2 HCAPLUS

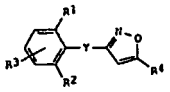
CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-2,4-dimethyl- (9CI) (CA INDEX NAME)



L20 ANSWER 33 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 16 Feb 1993

GI



I

AB A series of N-aryl isoxazolecarboxamides, e.g., I (R1 = H, Me, OMe, CF3, Ph, CH2Ph, CHMe2; R2 = H, Me, CHMe2, CO2Et, CO2H, NO2, NH2; R3 = H, 4-Me, 3-, 4-Br, 4-, 5-OMe; R4 = H, Me, Et, CHMe2, CMe3, Ph, COMe, CH2OH, CH2F, CH2Cl, CH2OMe, CH2OPh, CH2OAc; Y = NHCO, NMeCO, NEtCO) and N-isoxazolyl benzamides, e.g., I (R1 = R2 = R4 = Me, R3 = H, 4-Me; Y = CONH) were prepared and their anticonvulsant action in maximal electroshock seizure (MES) and maximal metrazole seizure (MMS) tests were studied. Some of these reveal considerable activity, especially with respect to MES test. Disubstitution in the 2,6-position on the Ph ring by two Me groups appear to be of primary importance for the activity. The amide bridge between the Ph and isoxazole rings, whether of the anilide or benzamide type, show similar anticonvulsant behavior. I (R1 = R2 = Me, R3 = H, R4 = Me, CH2OH; Y = NHCO; R1 = R2 = R4 = Me, R3 = H, Y = CONH) are presently being studied in more extended pharmacol. tests.

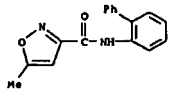
ACCESSION NUMBER:	1993:59624 HCAPLUS
DOCUMENT NUMBER:	118:59624
TITLE:	New N-aryl isoxazolecarboxamides and N-isoxazolyl benzamides as anticonvulsant agents
AUTHOR(S):	Lepage, F.; Tombret, F.; Cuvier, G.; Marivain, A.; Gillardin, J. M.
CORPORATE SOURCE:	Cent. Rech., Lab. BIOCODEX, Compiegne, 60200, Fr.
SOURCE:	European Journal of Medicinal Chemistry (1992), 27(6), 581-93 CODEN: EJMCA5; ISSN: 0223-5234
DOCUMENT TYPE:	Journal
LANGUAGE:	English

IT 145440-86-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and anticonvulsant activity of)

RN 145440-86-4 HCAPLUS

CN 3-Isoxazolecarboxamide, N-[1,1'-biphenyl]-2-yl-5-methyl- (9CI) (CA INDEX NAME)

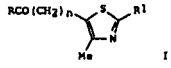
L20 ANSWER 33 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L20 ANSWER 34 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 12 May 1984

GI



I

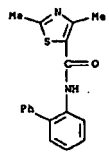
AB The synthesis of methylthiozoles I (n = 0, 1, R = EtO, PhO, HO, N2N, arylamino; R1 = Cl, Br, iodo, HS, Me, diarylmethyl, aryl, alkylthio, arylthio, heterocyclylthio, arylsulfonyl, arylamino, alkoxycarbonylthioureido) was summarized. The fungicidal activities of about 50 I were tabulated and some I were tested as insecticides.

ACCESSION NUMBER:	1983:179261 HCAPLUS
DOCUMENT NUMBER:	98:179261
TITLE:	4-Methylthiazole derivatives as potential agricultural chemicals
AUTHOR(S):	Eckstein, Zygmunt
CORPORATE SOURCE:	Inst. Chem. Technol. Org., Politech. Warszawska, Warszawa, Pol.
SOURCE:	Chemia Stosowana (1981), 25(1), 19-32 CODEN: CHSWAP; ISSN: 0376-0898
DOCUMENT TYPE:	Journal
LANGUAGE:	German

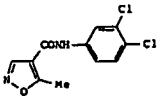
IT 21674-10-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of, as fungicide)

RN 21674-10-2 HCAPLUS

CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-2,4-dimethyl- (9CI) (CA INDEX NAME)



L20 ANSWER 35 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 12 May 1984
GI



II

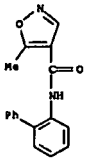
AB About 40 MeC(OH):C(CN)CONHC6H3RR1 (I; R, R1 = H, halo, CF3, NO2, SMe, OEt, etc) were prepared and tested for antipyretic and analgesic activity. Thus, MeCOCH2CONHC6H3Cl2-3,4 reacted with HC(OEt)3 to give EtOCH:C(COMe)CONHC6H3Cl2-3,4, which was cyclized with HONH2 in aqueous NaOH to give II. Reaction of II with NaOH/MeOH gave I (RR1 = 3,4-Cl2). I have stronger antipyretic and analgesic activity than phenylbutazone, without ulcerogenic effects.

ACCESSION NUMBER: 1977:105977 HCAPLUS
DOCUMENT NUMBER: 86:105977
TITLE: Cyanoacetanilide derivatives
PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 20 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

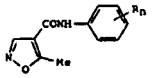
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2524929	A1	19761216	DE 1975-2524929	19750605
DE 2524929	B2	19800131		
DE 2524929	C3	19801009		
NL 7605845	A	19761207	NL 1976-5845	19760531
NL 186239	B	19900516		
NL 186239	C	19901016		
CH 627444	A	19820115	CH 1976-6963	19760602
DK 7602484	A	19761206	DK 1976-2484	19760604
DK 157078	B	19891106		
DK 157078	C	19900409		
FR 2313031	A1	19761231	FR 1976-17042	19760604
FR 2313031	B1	19791012		
JP 52007929	A2	19770121	JP 1976-65477	19760604
JP 60032620	B4	19850729		
AT 7604135	A	19771015	AT 1976-4135	19760604
CA 1082202	A1	19800722	CA 1976-254136	19760604
BE 842688	A1	19761208	BE 1976-167706	19760608

PRIORITY APPLN. INFO.: DE 1975-2524929 A 19750605

L20 ANSWER 35 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
IT 61643-39-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and ring cleavage of)
RN 61643-39-8 HCAPLUS
CN 4-Isoxazolecarboxamide, N-[1,1'-biphenyl]-2-yl-5-methyl- (9CI) (CA INDEX NAME)



L20 ANSWER 36 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 12 May 1984
GI



I

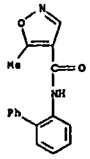
AB Isoxazolecarboxanilides (I; Rn = e.g., 2-Cl, 3-Cl, 4-C., 4-Br, 4-F, 3-Me, 2-MeO, 4-EtO2C, 3,4-Cl2, 3,5-Cl2, 3,5-(F3C)2, 2,4-Me2, 3,4-(OCH2O)], with analgesic and antiinflammatory activity, are prepared by condensation of acetoacetanilides with HC(OEt3) in the presence of Ac2O to give 2-(ethoxymethylene)acetoacetanilides which by cyclocondensation with H2NOH give I. Thus, reaction of MeCOCH2CONHC6H3Cl2-3,4 with HC(OEt)3 in Ac2O gives after 1.5 h at reflux 83% MeCOC(:CHOEt)CONHC6H3Cl2-3,4 (II). Treatment of II with H2NOH.HCl in MeOH in presence of NaOH gives after 4 h at room temperature 97.5% I (Rn = 3,4-Cl2).

ACCESSION NUMBER: 1977:72626 HCAPLUS
DOCUMENT NUMBER: 86:72626
TITLE: 5-Methylisoxazole-4-carboxanilides
PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 15 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

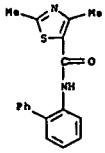
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2524959	A1	19761209	DE 1975-2524959	19750605
DE 2524959	C2	19830210		
NL 7605841	A	19761207	NL 1976-5841	19760531
NL 178596	B	19851118		
NL 178596	C	19860416		
CH 603608	A	19780831	CH 1976-6962	19760602
DK 7602483	A	19761206	DK 1976-2483	19760604
DK 151013	B	19871012		
DK 151013	C	19880307		
FR 2313052	A1	19761231	FR 1976-17038	19760604
FR 2313052	B1	19790928		
JP 52007960	A2	19770121	JP 1976-65476	19760604
JP 59038230	B4	19840914		
AT 349007	B	19790312	AT 1976-4137	19760604
AT 7604137	A	19780815		
GB 1547452	A	19790620	GB 1976-23185	19760604
CA 1076584	A1	19800429	CA 1976-254134	19760604
BE 842689	A1	19761208	BE 1976-167707	19760608

PRIORITY APPLN. INFO.: DE 1975-2524959 A 19750605
OTHER SOURCE(S): MARPAT 86:72626
IT 61643-39-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 61643-39-8 HCAPLUS

L20 ANSWER 36 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN 4-Isoxazolecarboxamide, N-[1,1'-biphenyl]-2-yl-5-methyl- (9CI) (CA INDEX NAME)



L20 ANSWER 37 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 12 May 1984
AB Of 137 synthetic 4-methyl-5-thiazolecarboxylates (I, X = H, halo, Me, SH, alkoxy, aryloxy, alkylthio, arylthio, aryloxyalkyl heterocyclic radical, etc. R = HO, alkoxy, substituted amine, etc) 108 were previously undescribed. I compds. were screened with Alternaia tenuis; Phytophthora infestans, Rhizoctonia, solani, Tilletia caries, and Venturia inaequalis for chemical structure-activity relations. The m.p., yield, and fungicidal activities of I compds. are tabulated, and their structure-activity relations are discussed.
ACCESSION NUMBER: 1974:515750 HCAPLUS
DOCUMENT NUMBER: 81:115750
TITLE: Systemic and chemotherapeutic fungicidal activity-chemical structure relation of some 4-methyl-5-thiazolecarboxylic acid derivatives. Laboratory screening tests
AUTHOR(S): Abdel-Lateef, Mahmoud F. A.; Stec, Maria; Eckstein, Zygmunt
CORPORATE SOURCE: Fac. Agric., Al-Azhar Univ., Cairo, Egypt
SOURCE: Acta Phytopathologica Academiae Scientiarum Hungaricae (1973), 8(3-4), 269-82
CODEN: APYPB2; ISSN: 0001-6780
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 21674-10-2P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and fungicidal activity of)
RN 21674-10-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-2,4-dimethyl- (9CI) (CA INDEX NAME)



L20 ANSWER 38 OF 38 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 12 May 1984
GI For diagram(s), see printed CA Issue.
AB Carbamoylthiazoles (I) have a dwarfing effect on stems and trunks of plants and are also useful in seed treatment to combat fungal plant diseases. For seed protection 0.25-12 oz./100 lb. of seeds are used; as a soil fungicide 0.1-10 lb./acre is applied. Plant diseases controlled include those caused by Uromyces phaseoli typica, Rhizoctonia solani, Ustilado nuda, and Alternaria solani. An exothermic reaction occurred when 846 g. α-chloroacetoacetanilide, 310 g. thiourea, and 1400 ml. EtOH were mixed at 20°. The mixture was heated 20 min. with steam, the hydrochloride filtered off and dissolved in warm water, and the solution made alkaline with NH4OH to precipitate 74% 2-amino-4-methyl-5-(phenylcarbamoyl)thiazole (II), m. 222-3° (partially) and 270-85° (decomposition) (EtOH). In a similar preparation in H2O the yield of
II was 90%. SO2Cl2 (41 g.) was added portionwise to a cooled mixture of 57 g. m-acetoacetotoluidide, 46 g. thiourea, and 100 ml. benzene. The mixture was heated 1 hr. on the steam bath and kept 18 hrs. at 20° to give 45% yellow 2-amino-4-methyl-5-(m-tolylcarbamoyl)thiazole, m. 189-91° and 193-4° (EtOH). Similarly prepared were the following I (X = NH2, R1 = H) (R2, m.p., and % yield given): 2-MeC6H4, 221-3°, 65; 4-MeC6H4, 238-40°, 78; 2-EtC6H4, 198-200°, 29; 2-ClC6H4, 258-9° (decomposition), 86; 3-ClC6H4, 210-14°, 36; 4-ClC6H4, 258-61° (decomposition), 95; 4-BrC6H4, 274-5° (decomposition), 87; 2-MeO-C6H4, 240-2° (decomposition), 70; 4-MeOC6H4, 227-9°, 76; 4-O2N-C6H4, 228-31° (decomposition), 80; 2,4-Me2C6H3, 248-50° (decomposition), 60; 2,5-Me2C6H3, 222-5°, 51; 2,5-MeOMeC6H3, 219-22°, 51; 4,2-MeOMeC6H3, 211-15°, 46; 3,4-Cl2C6H3, 248-50° (decomposition), 69; 2,4-ClMeC6H3, 221-3°, 78; 2,4,6-Me3C6H2, 243-6° (decomposition), 42; 2,4,5-Cl3C6H6, 272-5° (decomposition), 85; α-naphthyl, 240-2° (decomposition), 70; 2-pyridyl, 213-15°, 45; PhCH2, 143-5°, 60; Et, 166-8°, 60; Bu, 160-2°, 40; cyclohexyl, 238-40°, 55; p-PhC6H4, 250-4° (decomposition), 92; 2,6-Et2C6H3, 206-9°, 60; o-EtO2CC6H4, 216-18°, 95; 2,6-ClMeC6H3, 288-90° (decomposition), 93; 3-BrC6H4, 207-11°, 64; 3-F3CC6H4, 200.0-2.5°, 69; 5,2-Cl(MeO)C6H3, 249-51° (decomposition), 96; 2,6 Me2C6H3, 249-51° and 275° (decomposition), 69; 3-MeOC6H4, 181-5°, 56; 3,4-Me2C6H3, 221-4°, 48; 2,5-Cl2C6H3, 252° (partial) and 271° (decomposition), 93; 2,4-Cl2C6H3, 240-2° (decomposition), 92; 2,3-Cl2C6H3, 261-3° (decomposition), 79; 4,2-ClMeC6H3, 210-13°, 57; 5,2-ClMe-C6H3, 233-7° (decomposition), 78; tert-Bu, 194-7°, 45; 2-thiazolyl, 245-7° (decomposition), 20; 5,2,4-Cl(MeO)2C6H2, 260-2° (decomposition), 76; 2-EtOC6H4, 266-8° (decomposition), 33; 4-EtOC6H4, 213-14° (decomposition), 90; Also prepared were the following I (X = NH2) (R1, R2, m.p., and % yield given): Me, Ph, 176-8° (decomposition), 55; Et, Ph, 187-90°, 74; 2-cyanoethyl, Ph, 130-2°, 52; Et, 2-Me-C6H4, 219-22°, 80; Me, Me, 220-5° (decomposition), 54; Et, Et, 159-62°, 45; iso-Pr, iso-Pr, 236-8°, 43; Bu, Bu, 135-6°, 78; (NR1R2 =) morpholino, 216-18°, 54. Similarly prepared were the following I (X, R1, R2, m.p., and % yield given): Me, H, Ph, 139.0-41.5°, 75; Me, H, 2-MeOC6H4, 98.5-101.5°, 63; Me, H, 2-MeC6H4, 124-6°, 46; Me, H, 4-ClC6H4, 183-7°, 40; Pr, H, Ph, 130-5°, 22; Me, Me, 2-PhC6H4, 137-40°, 41; Me, Me, Ph, 139.5-42.5°, 84. Also

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prepd. was 50% N,N'-ethylenebis(2-amino-4-methyl-5-thiazolecarboxamide), m. 290-5° (decompn.).
ACCESSION NUMBER: 1969:87799 HCAPLUS
DOCUMENT NUMBER: 70:87799
TITLE: Thiazoles as plant-growth regulators and fungicides
INVENTOR(S): Harrison, William A.; Von Schmeling, Bogislav; Kulka, Marshall
PATENT ASSIGNEE(S): Uniroyal, Inc.
SOURCE: S. African, 43 pp.
CODEN: SFXXAB
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ZA 6706681	A	19680321	ZA 1967-6681	19671109
US 3505055	A	19700407	US 1966-611197	19661207
US 3547917	A	19701215	US 1966-599734	19661207
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BR 6794924	A0	19730809	BR 1967-194924	19671123
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NL 156022	B	19780315		
DK 128831	B	19740715	DK 1967-6116	19671206
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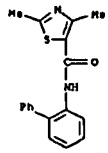
AT 286707	B	19701228	AT 1967-11086	19671207
AT 299602	B	19720626	AT 1969-8743	19671207
US 3709992	A	19730109	US 1969-877824	19691118
NL 7702263	A	19770831	NL 1977-2263	19770303
PRIORITY APPLN. INFO.:			US 1966-599734 A	19661207
			US 1966-611197 A	19661207
			GB 1967-52907 A	19671121

IT 21674-10-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 21674-10-2 HCAPLUS
CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-2,4-dimethyl- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	201.77	808.45

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-28.50	-42.00

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